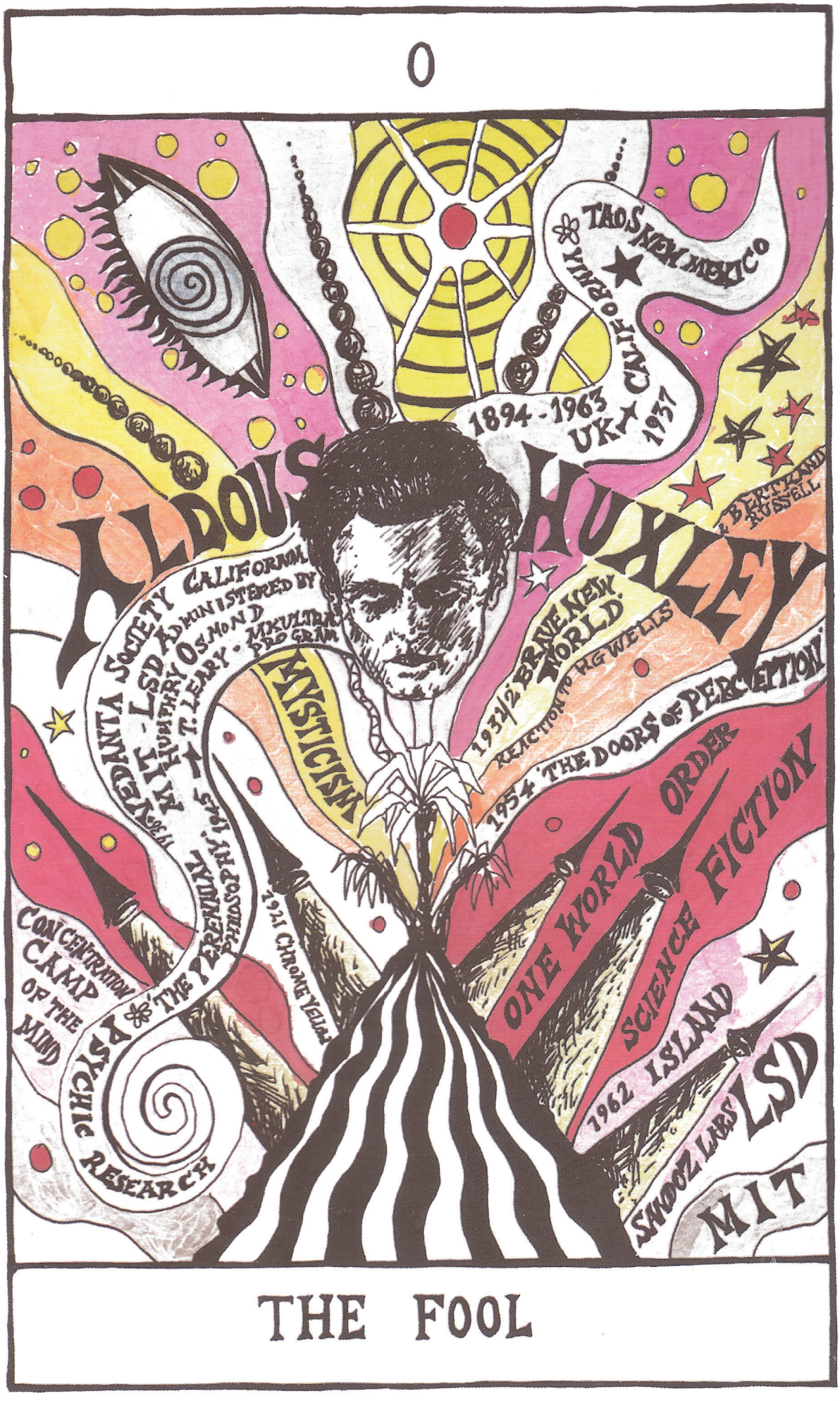
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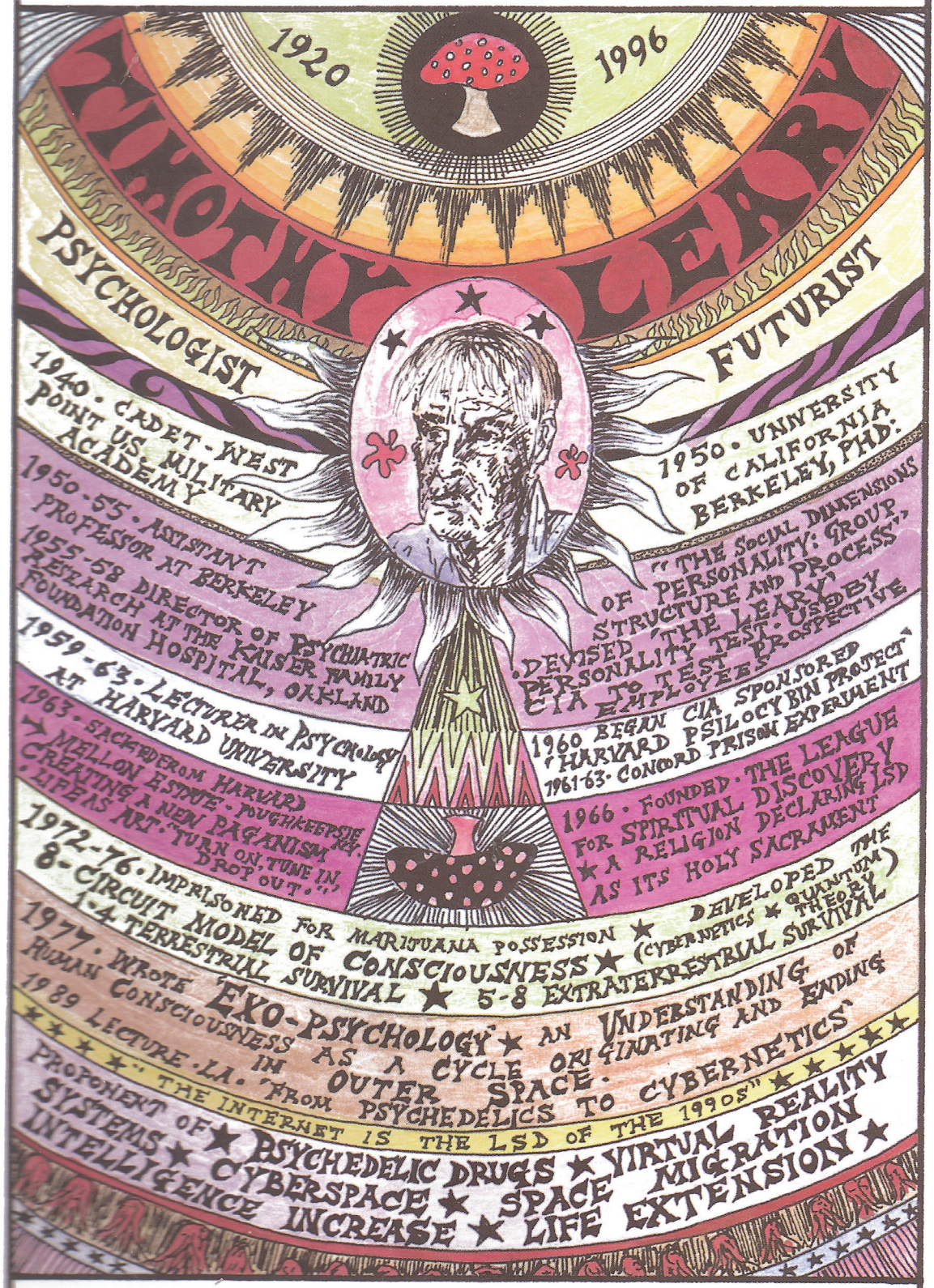
ALDOUS HUXLEY
1894 - 1963
UK
CALIFORNIA
1937
TAOS NEW MEXICO
BERTRAND RUSSELL
VEDANTA SOCIETY CALIFORNIA
LSD ADMINISTERED BY
HUMPHRY OSMOND
T. LEARY · MIXULTRA PROGRAM
1931/2 BRAVE NEW WORLD
REACTION TO HG WELLS
1954 'THE DOORS OF PERCEPTION'
MYSTICISM
ONE WORLD ORDER
SCIENCE FICTION
1962 ISLAND
SANDOZ LABS' LSD
MIT
CONCENTRATION CAMP OF THE MIND
PSYCHIC RESEARCH
'THE PERENNIAL PHILOSOPHY' 1945
1921 CHROME YELLOW
THE FOOL

I



THE MAGICIAN

II

THE MACY CONFERENCES

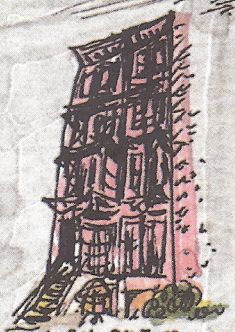
1946-1953

HAROLD ABRAMSON
ROSS ASHBY
GREGORY BATESON
ALEX BAVELAS
JULIAN BIGELOW
HENRY BROSIN
LAWRENCE K. FRANK
FRANK FREMONT-SMITH
RALPH W. GERARD
MOLLY HARROWER
GEORGE HUTCHINSON

EVOLVING OUT OF THE MILITARISTIC ECONOMY OF CAPITALIST PATRIARCHY IN THE AFTERMATH OF WWII THE U.S. GOVERNMENT FUNDED MACY CONFERENCES SOUGHT TO GENERATE NEW CONNECTIONS BETWEEN THE NATURAL AND SOCIAL SCIENCES

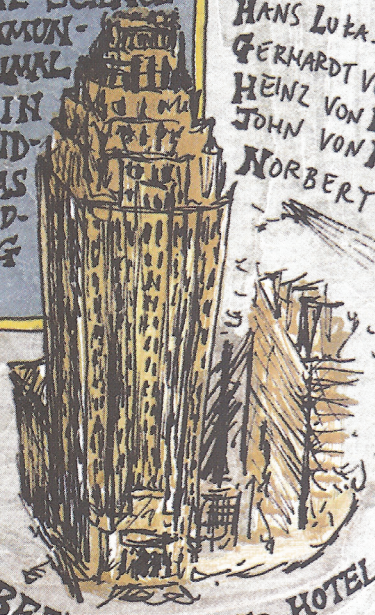
MACY CONFERENCE ATTENDEES CONSISTING OF MATHEMATICIANS PSYCHOLOGISTS, PSYCHIATRISTS, NEUROPHYSIOLOGISTS, ENGINEERS, ANTHROPOLOGISTS, ECOLOGISTS AND PHILOSOPHERS DEVELOPED AND DISEMINATED THE IDEA OF CYBERNETICS - THE SCIENCE OF CONTROL AND COMMUNICATION IN THE ANIMAL AND THE MACHINE, IN SOCIETY AND IN INDIVIDUAL HUMAN BEINGS - AS A MODEL OF UNDERSTANDING AND CONTROLLING THE WORLD.

HEINRICH KLÜVER
LAWRENCE S. KUBIE
PAUL F. LAZARSFELD
KURT LEWIN
DONALD MARQUIS
WARREN S. MCCULLOCH
MARGARET MEAD
RAFAEL LORENTE DE NÓ
FILMER NORTHROP
WALTER PITTS
ARTURO ROSENBLUETH
LEONARD J. SAVAGE
THEODORE SCHNEIRLA
HANS LUKAS TEUBER
GERHARDT VON BONIN
HEINZ VON FOERSTER
JOHN VON NEUMANN
NORBERT WIENER



JOSIAH MACY JR. FOUNDATION NY USA

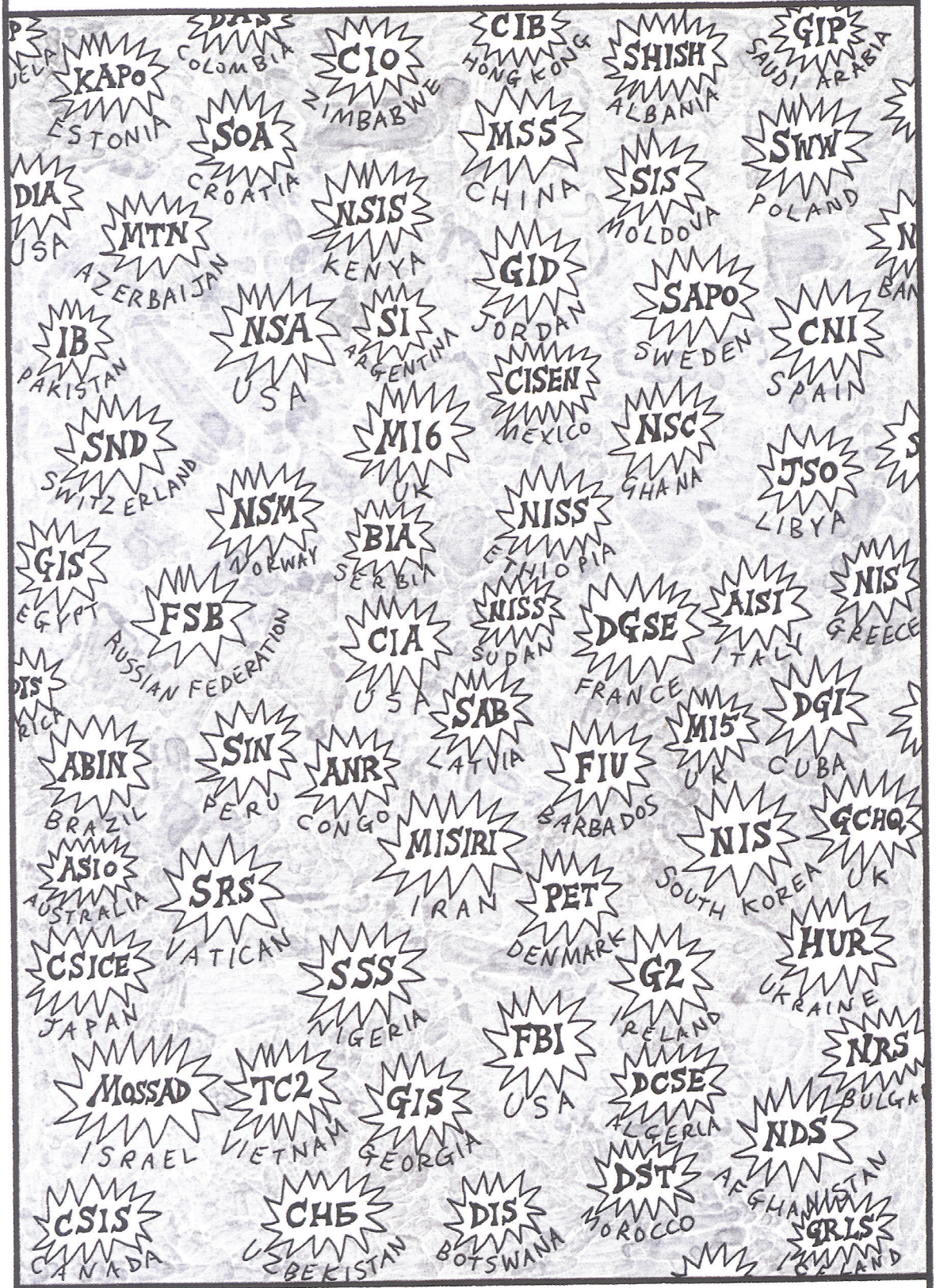
FEEDBACK MECHANISMS AND CIRCULAR CAUSAL SYSTEMS IN BIOLOGICAL AND SOCIAL SYSTEMS



BEEKMAN TOWER HOTEL NEW YORK USA

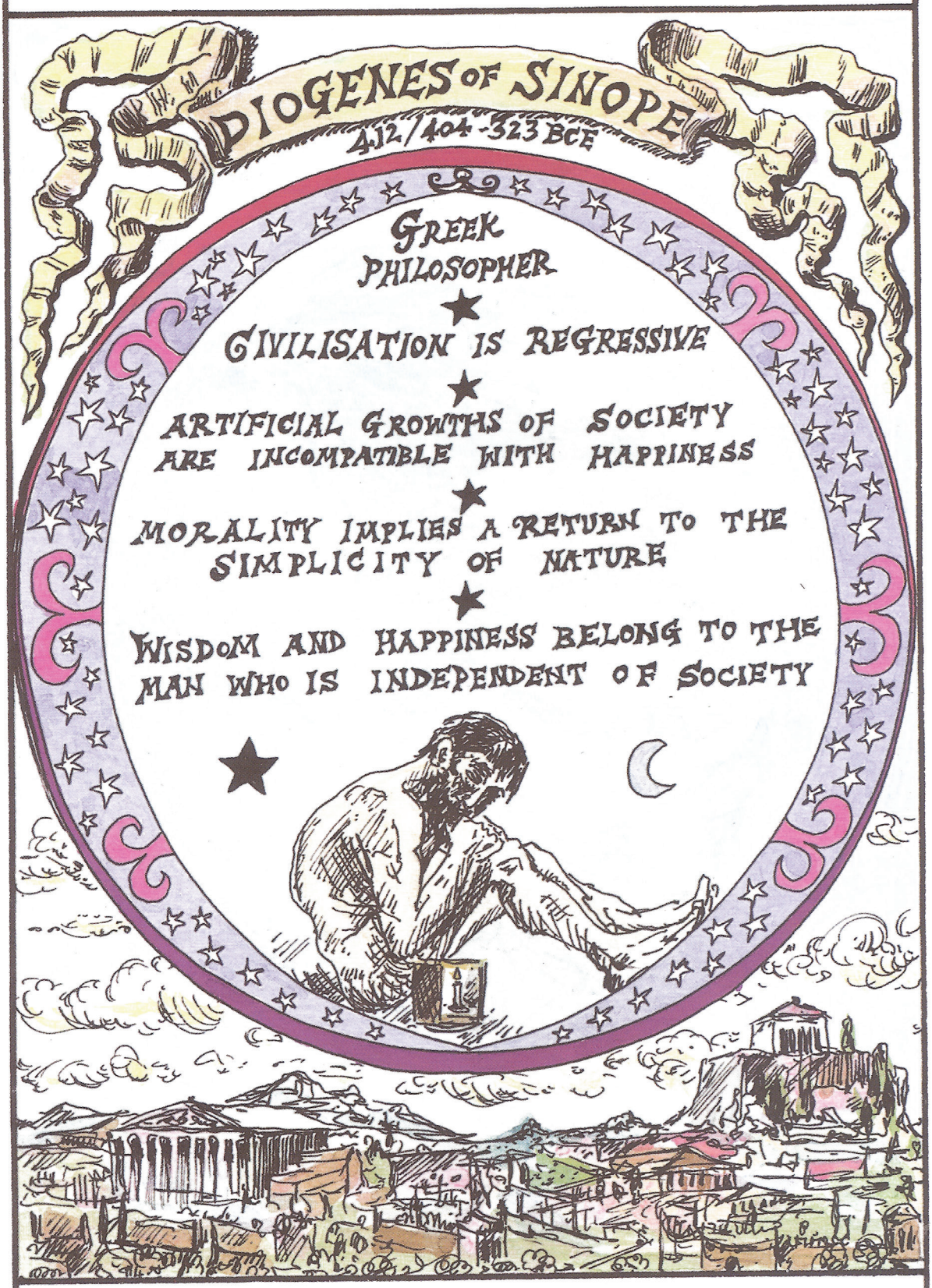
THE HIGH PRIESTESS

III



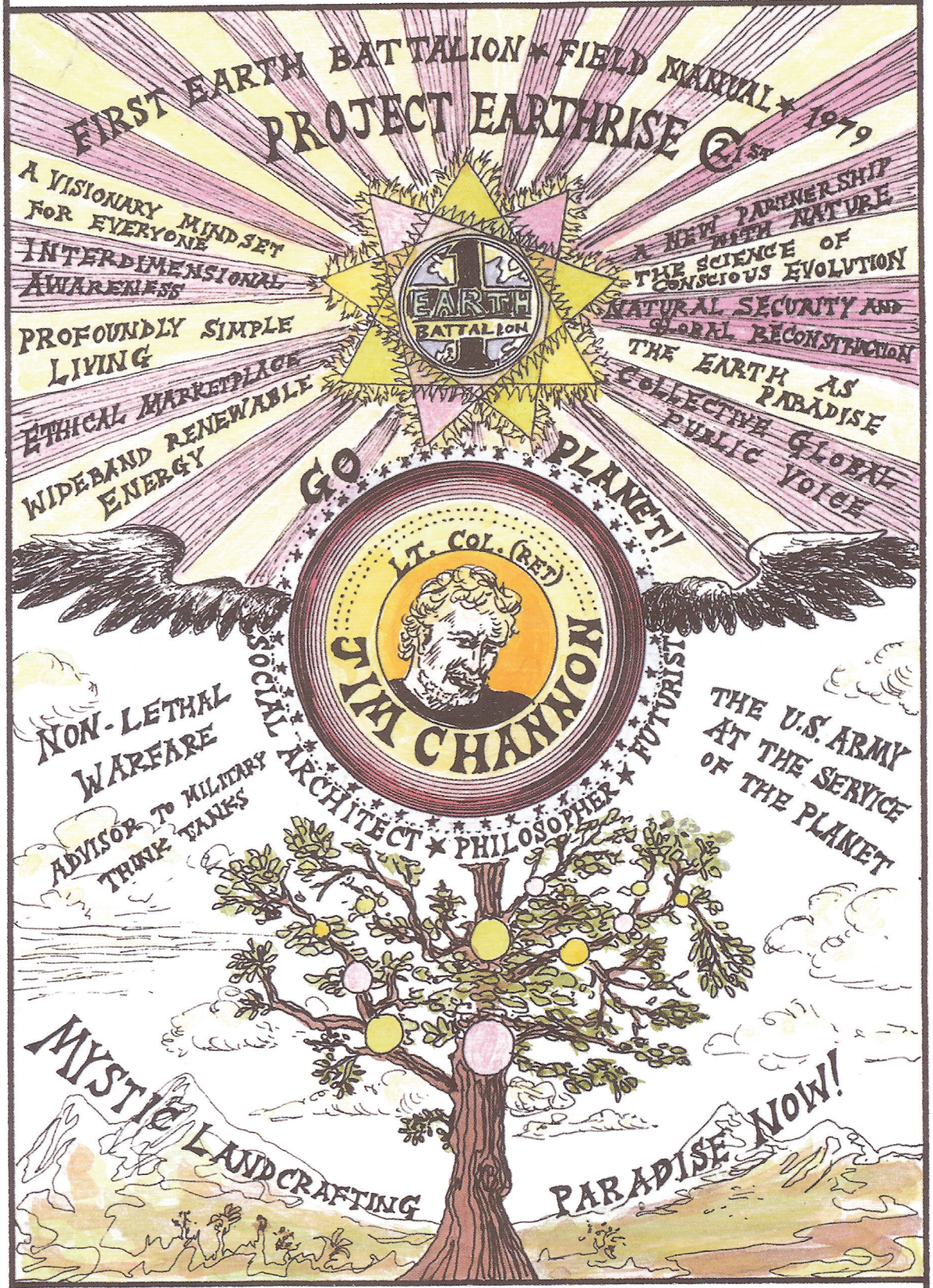
THE EMPRESS

IV



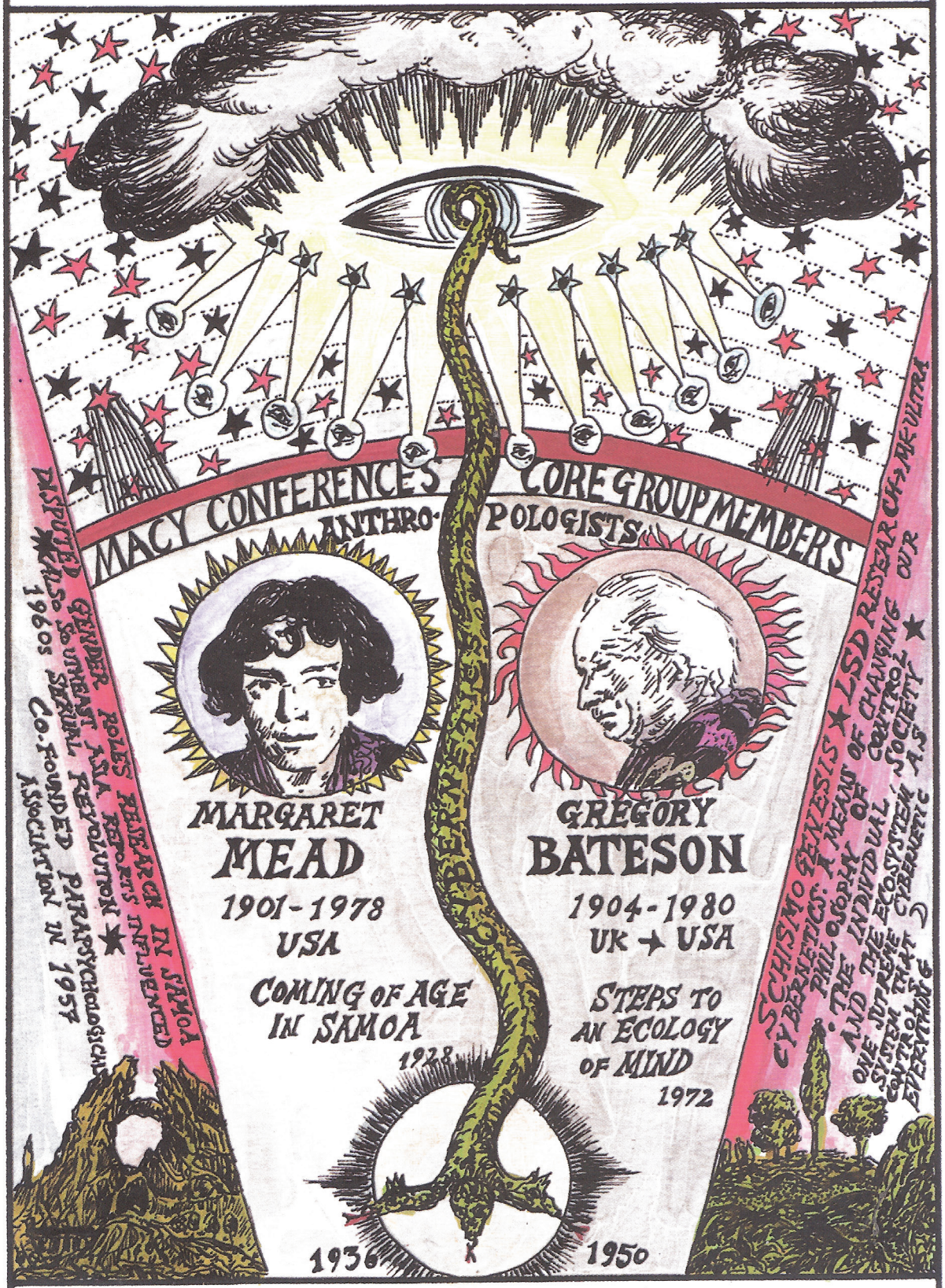
THE EMPEROR

V



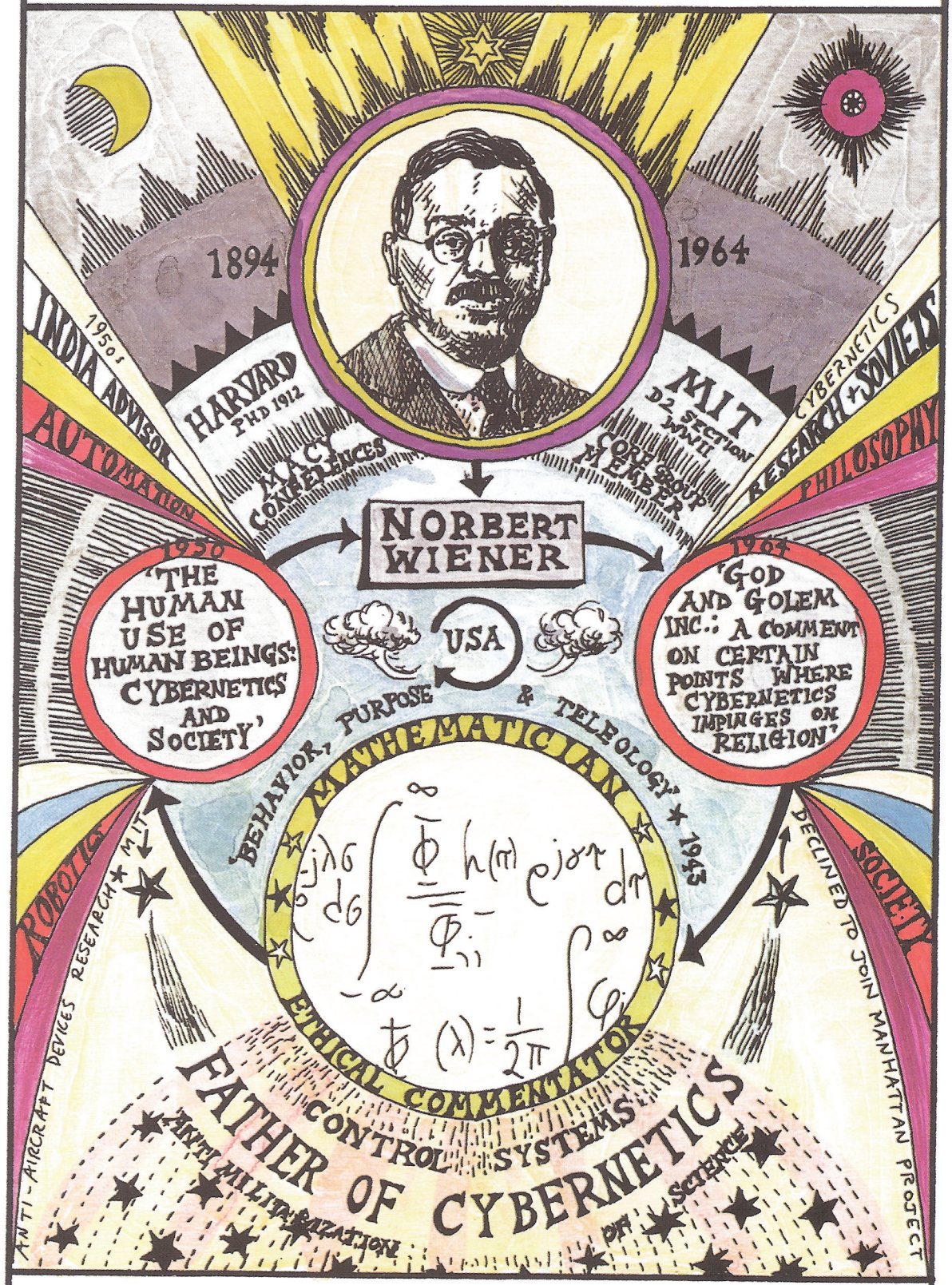
THE HIEROPHANT

VI



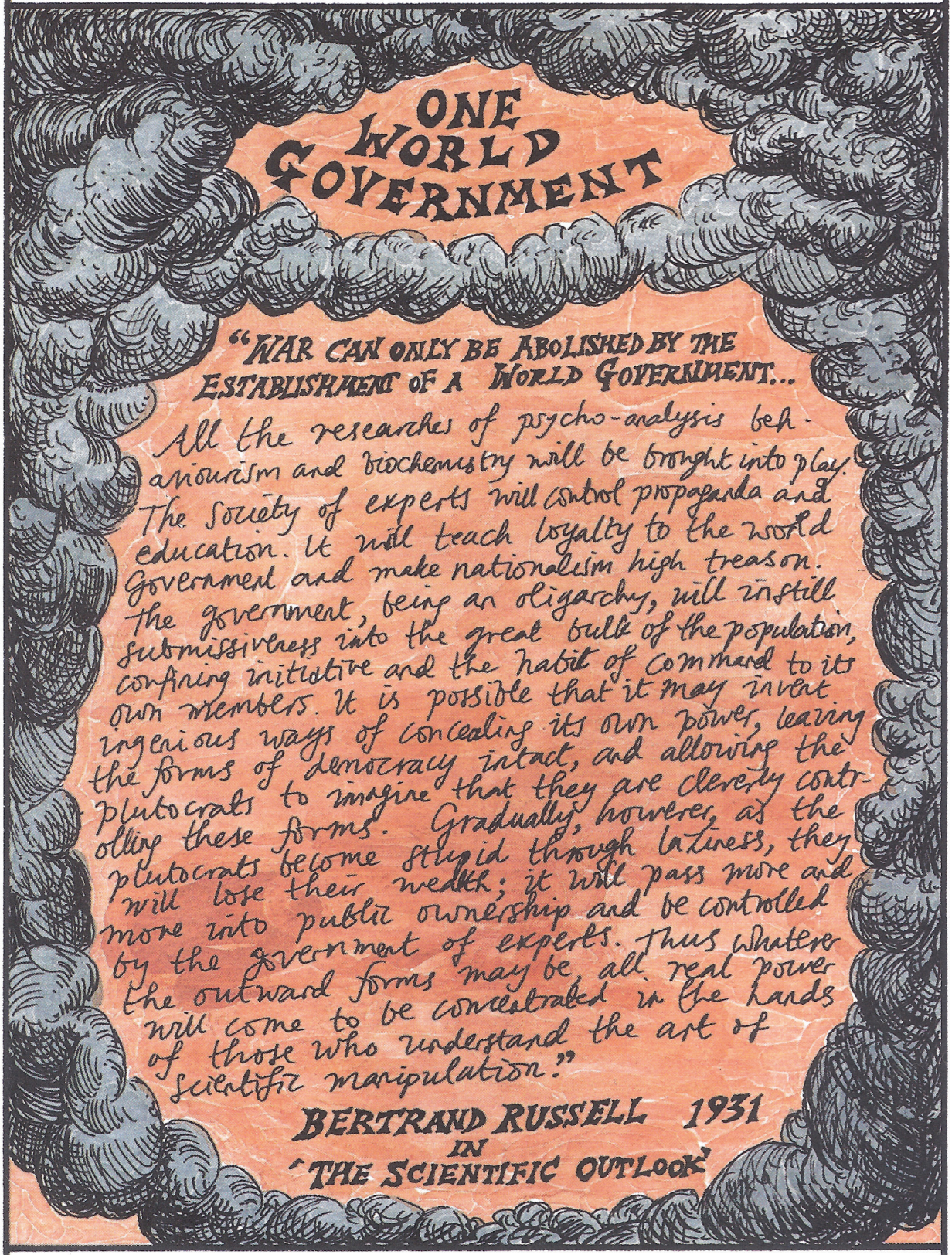
THE LOVERS

VII



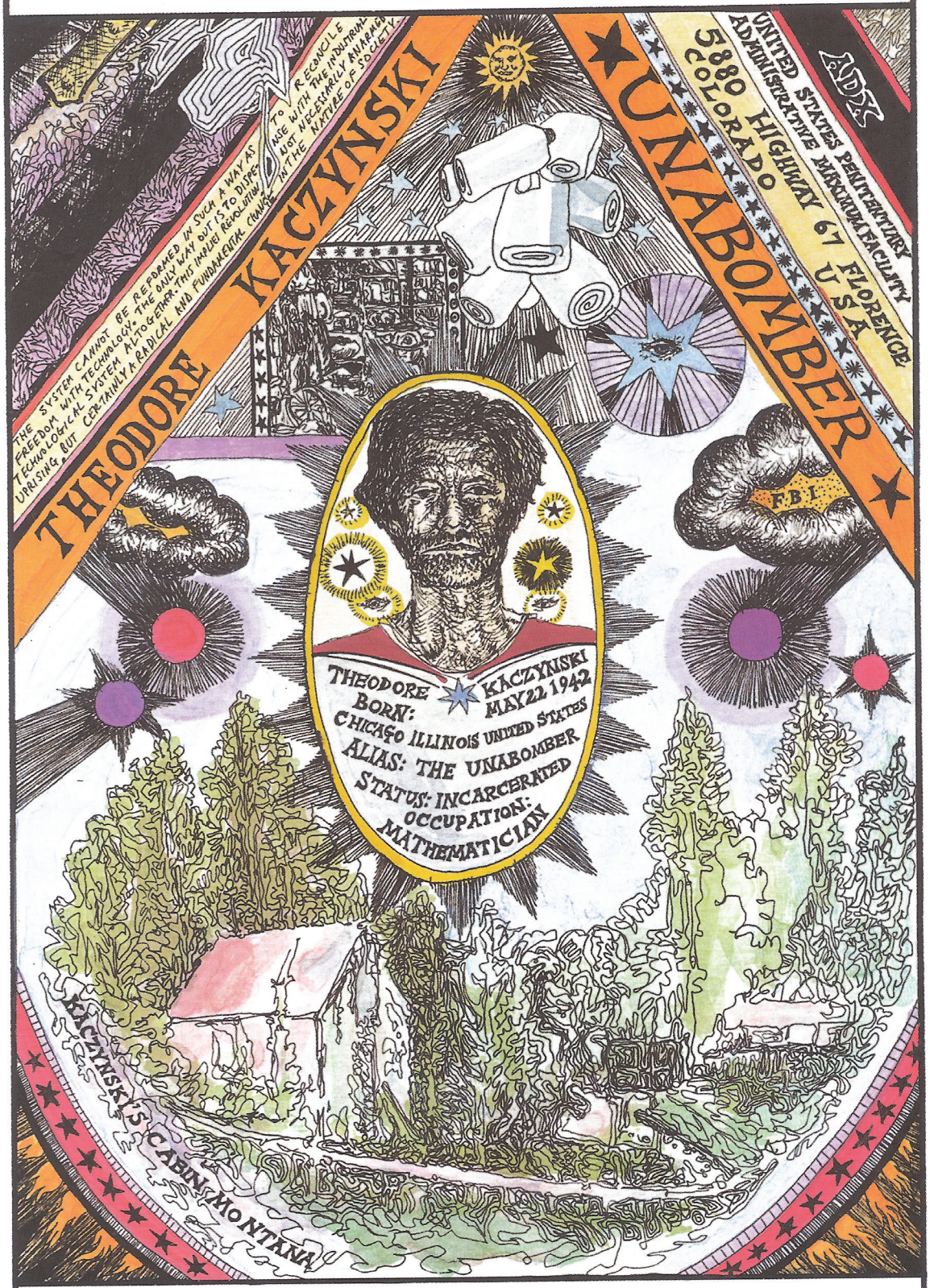
THE CHARIOT

VIII



JUSTICE

IX



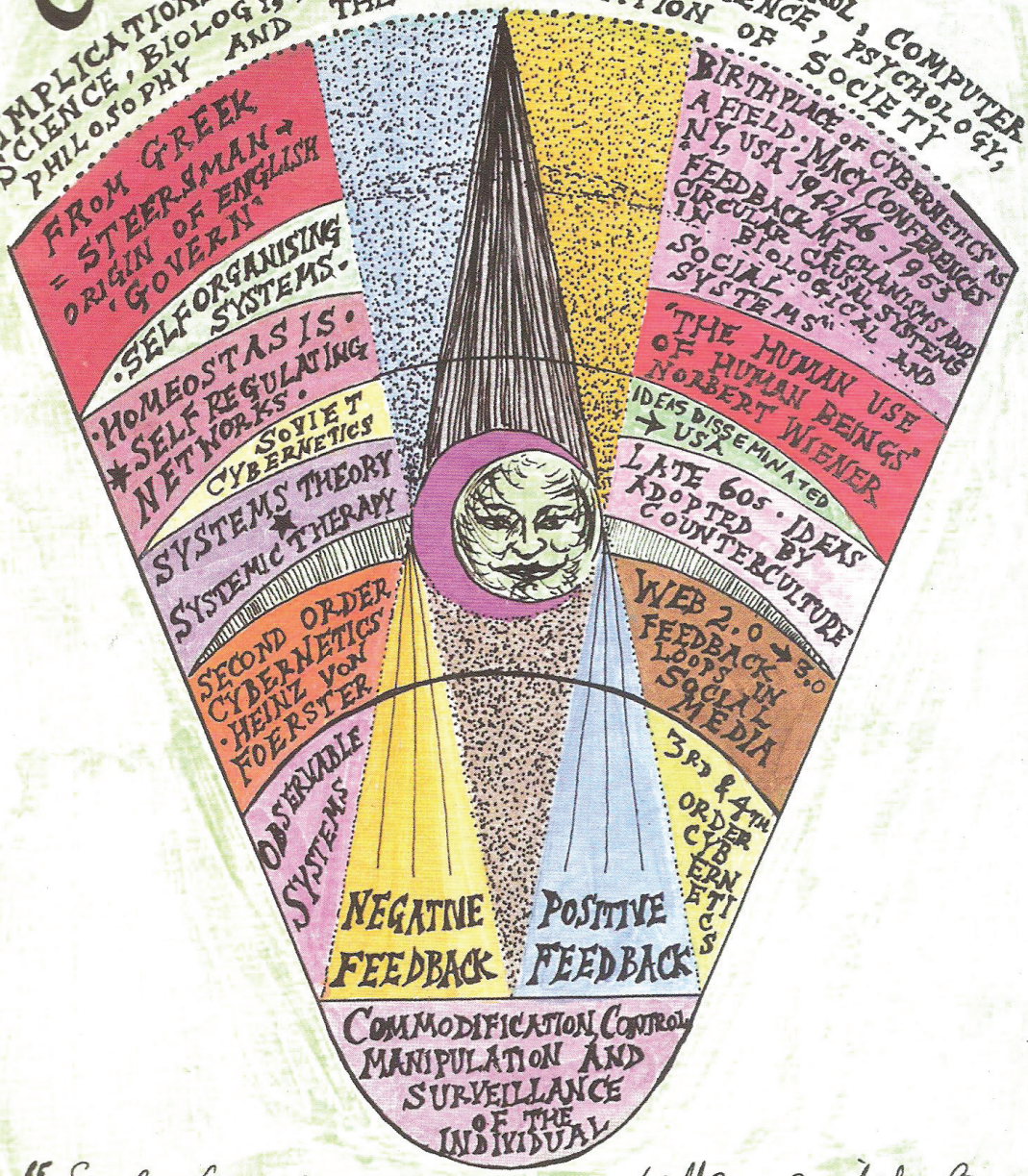
THE HERMIT

X

"The Science of Control & Communication in the animal & the Machine" N. WIENER

CYBERNETICS

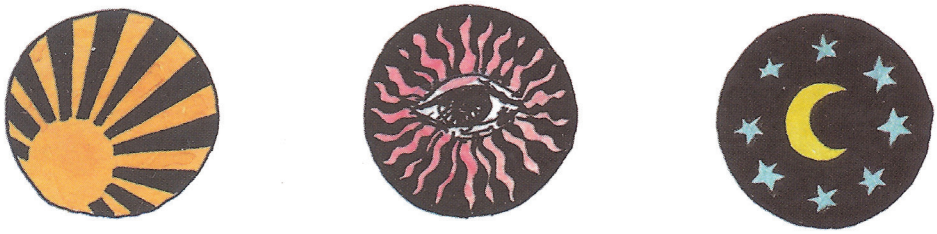
IMPLICATIONS FOR: ENGINEERING, SYSTEMS CONTROL, COMPUTER SCIENCE, BIOLOGY, ECOLOGY, POLITICAL SCIENCE, PSYCHOLOGY, PHILOSOPHY AND THE ORGANISATION OF SOCIETY



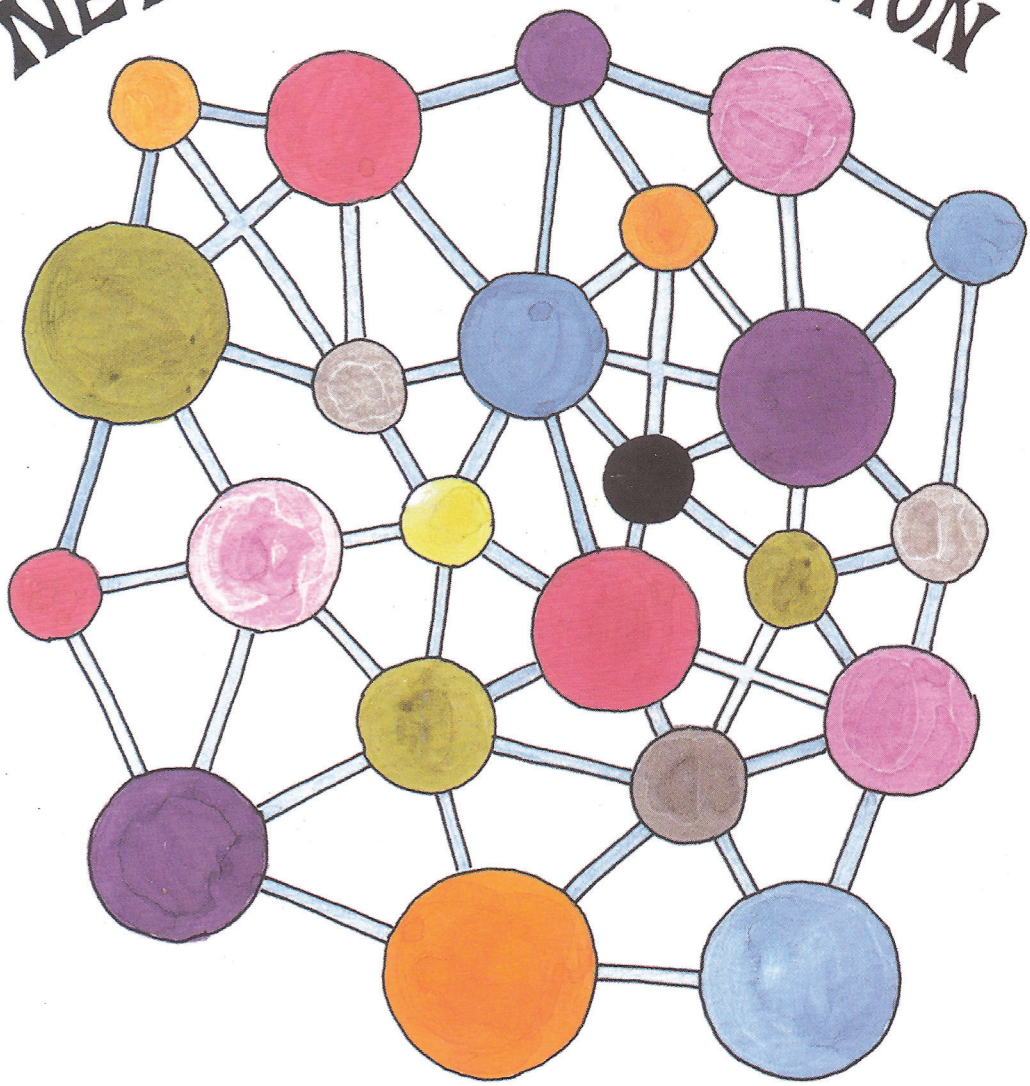
"Such hypotheses may be better suited for manipulation and control than they are for love and understanding" STEVE J. HEIMS 1991

WHEEL OF FORTUNE

XI

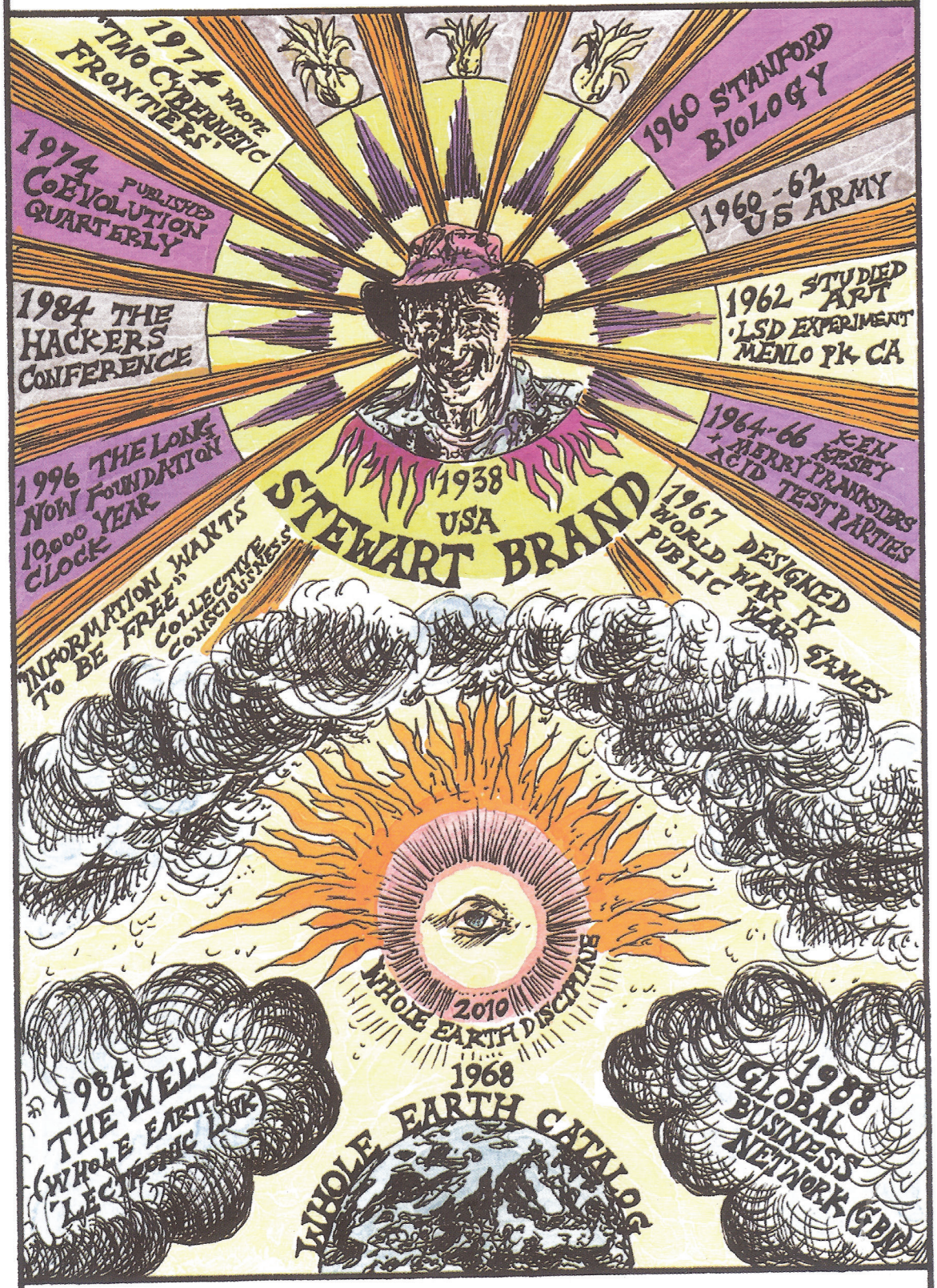


NETWORKED REVOLUTION



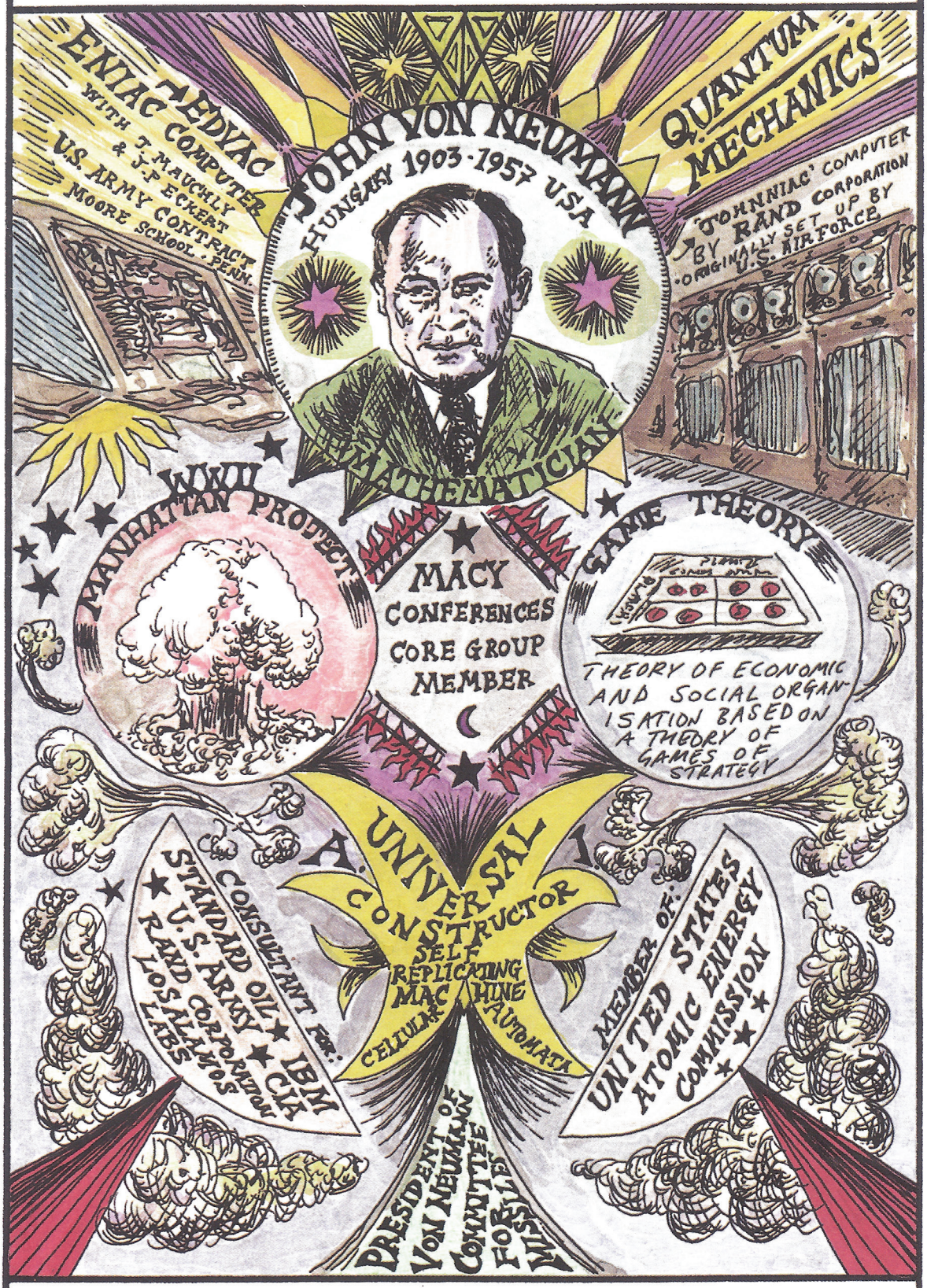
STRENGTH

XII



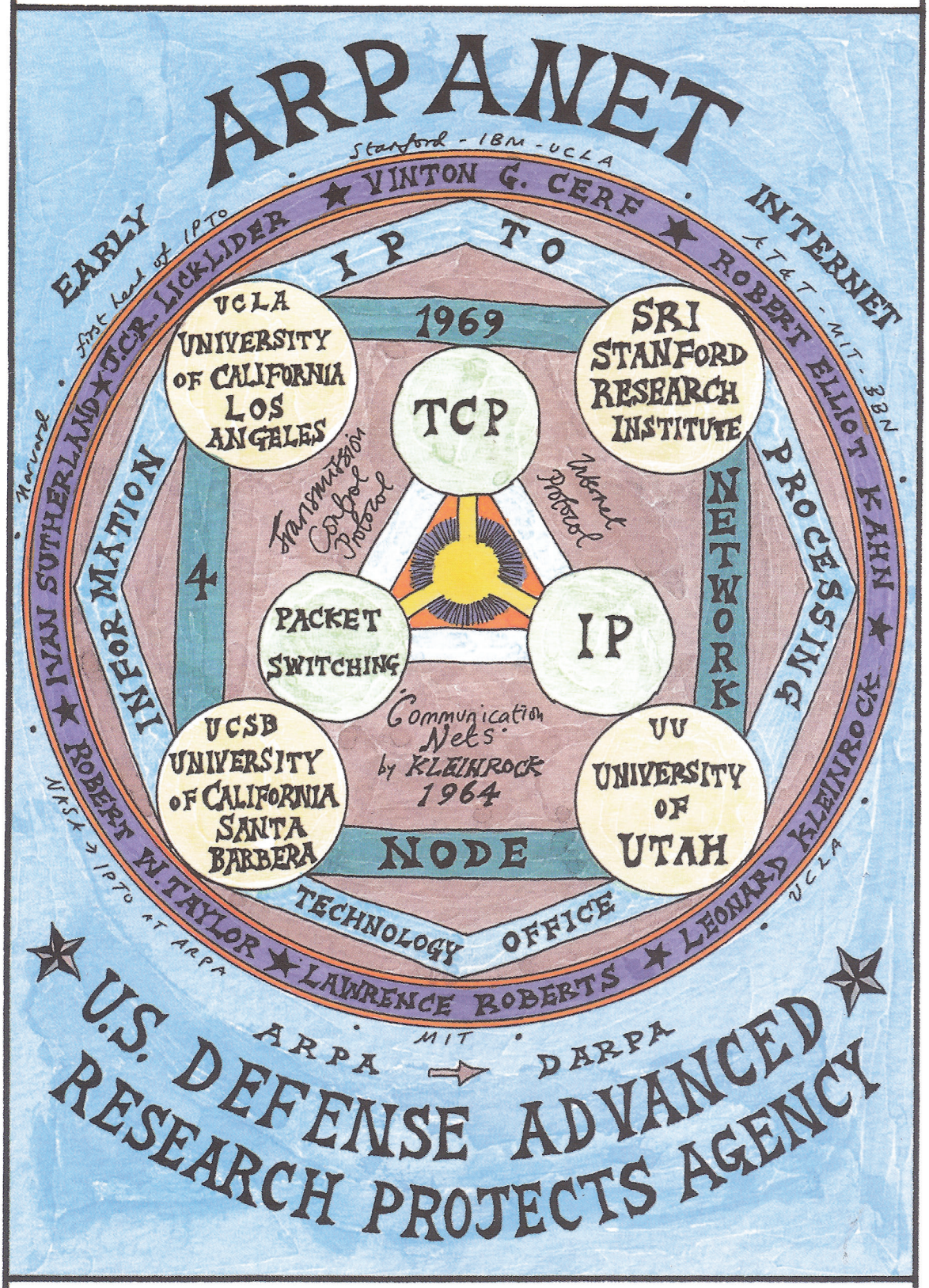
THE HANGED MAN

XIII


EDVAC
ENIAC COMPUTER
WITH J. MAUCHLY & J.P ECKERT
U.S. ARMY CONTRACT
MOORE SCHOOL . PENN.
JOHN VON NEUMANN
HUNGARY 1903-1957 USA
MATHEMATICIAN
QUANTUM MECHANICS
'JOHNNIAC' COMPUTER
BY RAND CORPORATION
ORIGINALLY SET UP BY
U.S. AIR FORCE
WWII
MANHATTAN PROJECT
MACY
CONFERENCES
CORE GROUP
MEMBER
GAME THEORY
THEORY OF ECONOMIC AND SOCIAL ORGANISATION BASED ON A THEORY OF GAMES OF STRATEGY
A. UNIVERSAL CONSTRUCTOR
SELF REPLICATING MACHINE
CELLULAR AUTOMATA
CONSULTANT FOR:
STANDARD OIL
U.S. ARMY
CIA
RAND CORPORATION
LOS ALAMOS LABS
IBM
MEMBER OF:
UNITED STATES ATOMIC ENERGY COMMISSION
PRESIDENT OF VON NEUMANN COMMITTEE FOR MISSILES

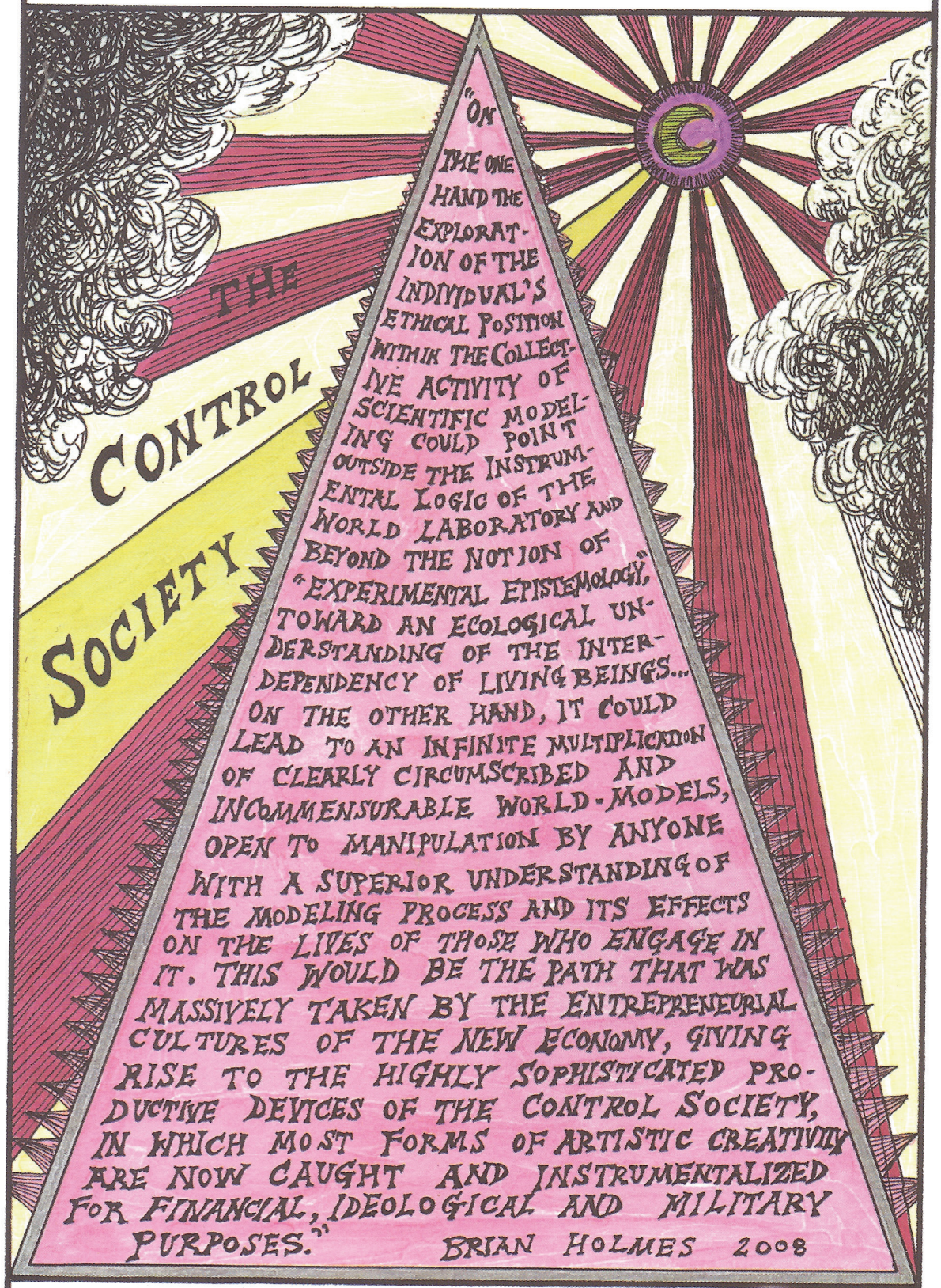
DEATH

XIV



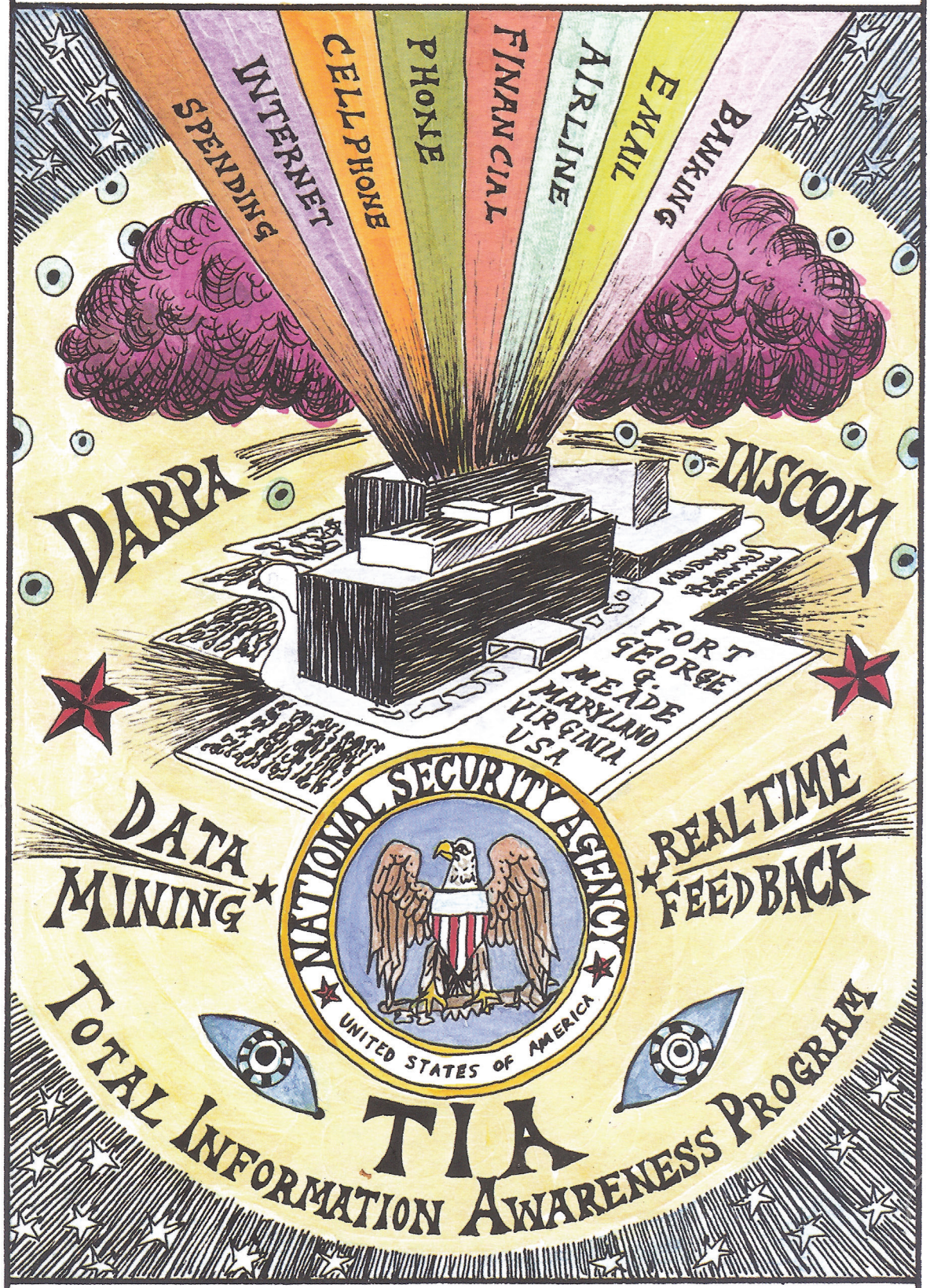
TEMPERANCE

XV


THE CONTROL SOCIETY
"ON THE ONE HAND THE EXPLORATION OF THE INDIVIDUAL'S ETHICAL POSITION WITHIN THE COLLECTIVE ACTIVITY OF SCIENTIFIC MODELING COULD POINT OUTSIDE THE INSTRUMENTAL LOGIC OF THE WORLD LABORATORY AND BEYOND THE NOTION OF "EXPERIMENTAL EPISTEMOLOGY," TOWARD AN ECOLOGICAL UNDERSTANDING OF THE INTERDEPENDENCY OF LIVING BEINGS... ON THE OTHER HAND, IT COULD LEAD TO AN INFINITE MULTIPLICATION OF CLEARLY CIRCUMSCRIBED AND INCOMMENSURABLE WORLD-MODELS, OPEN TO MANIPULATION BY ANYONE WITH A SUPERIOR UNDERSTANDING OF THE MODELING PROCESS AND ITS EFFECTS ON THE LIVES OF THOSE WHO ENGAGE IN IT. THIS WOULD BE THE PATH THAT WAS MASSIVELY TAKEN BY THE ENTREPRENEURIAL CULTURES OF THE NEW ECONOMY, GIVING RISE TO THE HIGHLY SOPHISTICATED PRODUCTIVE DEVICES OF THE CONTROL SOCIETY, IN WHICH MOST FORMS OF ARTISTIC CREATIVITY ARE NOW CAUGHT AND INSTRUMENTALIZED FOR FINANCIAL, IDEOLOGICAL AND MILITARY PURPOSES."
BRIAN HOLMES 2008

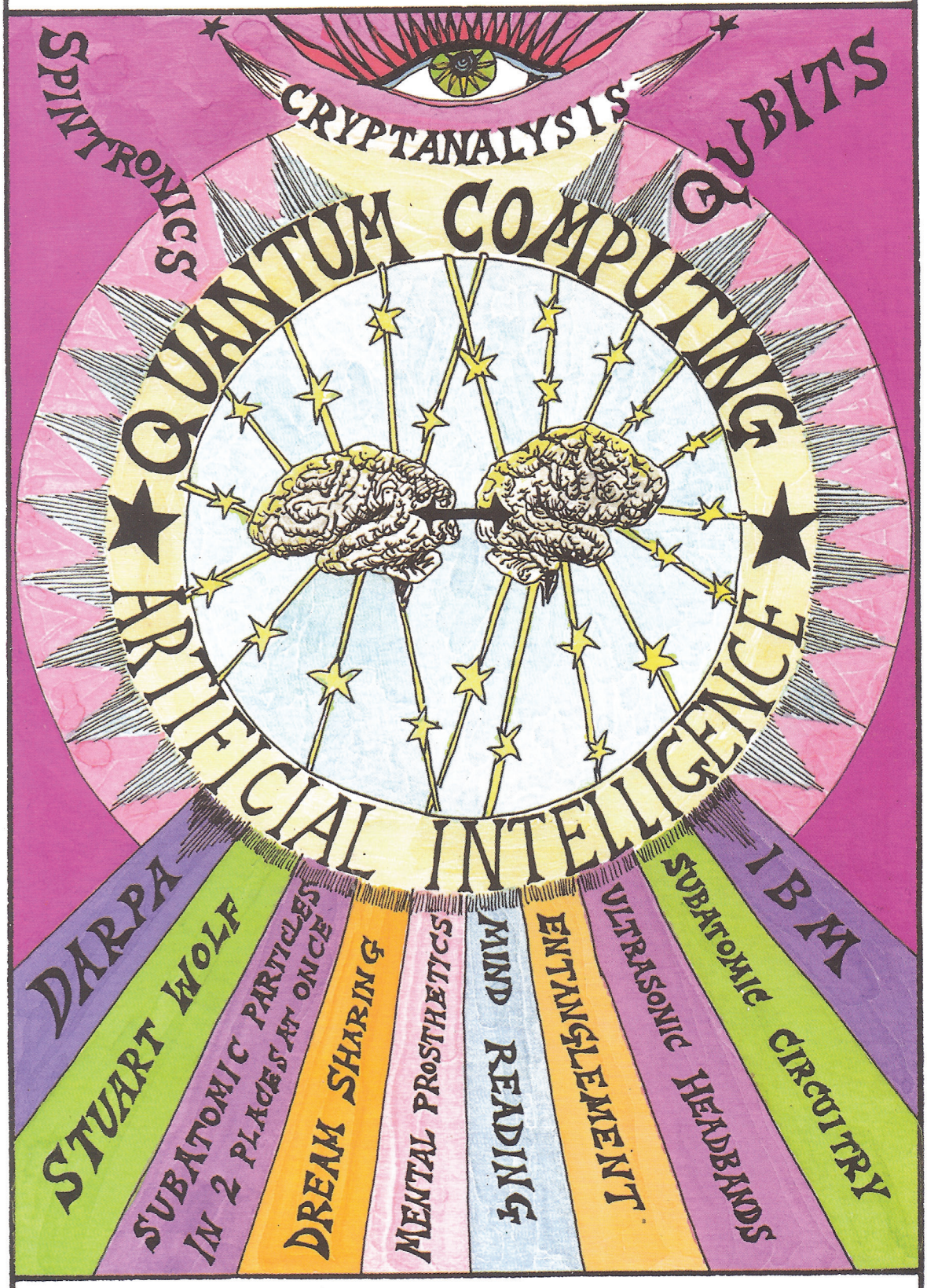
THE DEVIL

XVI



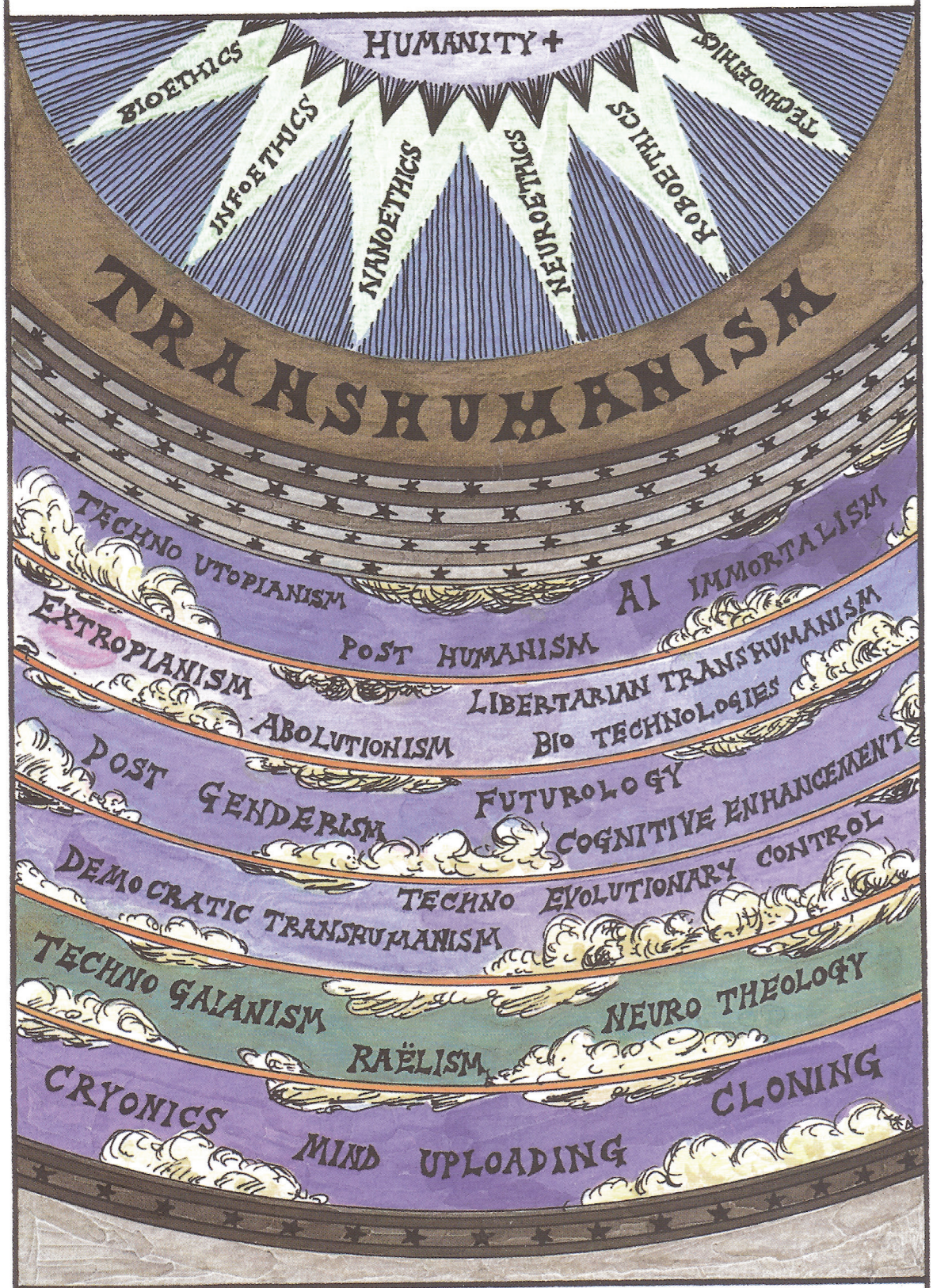
THE TOWER

XVII



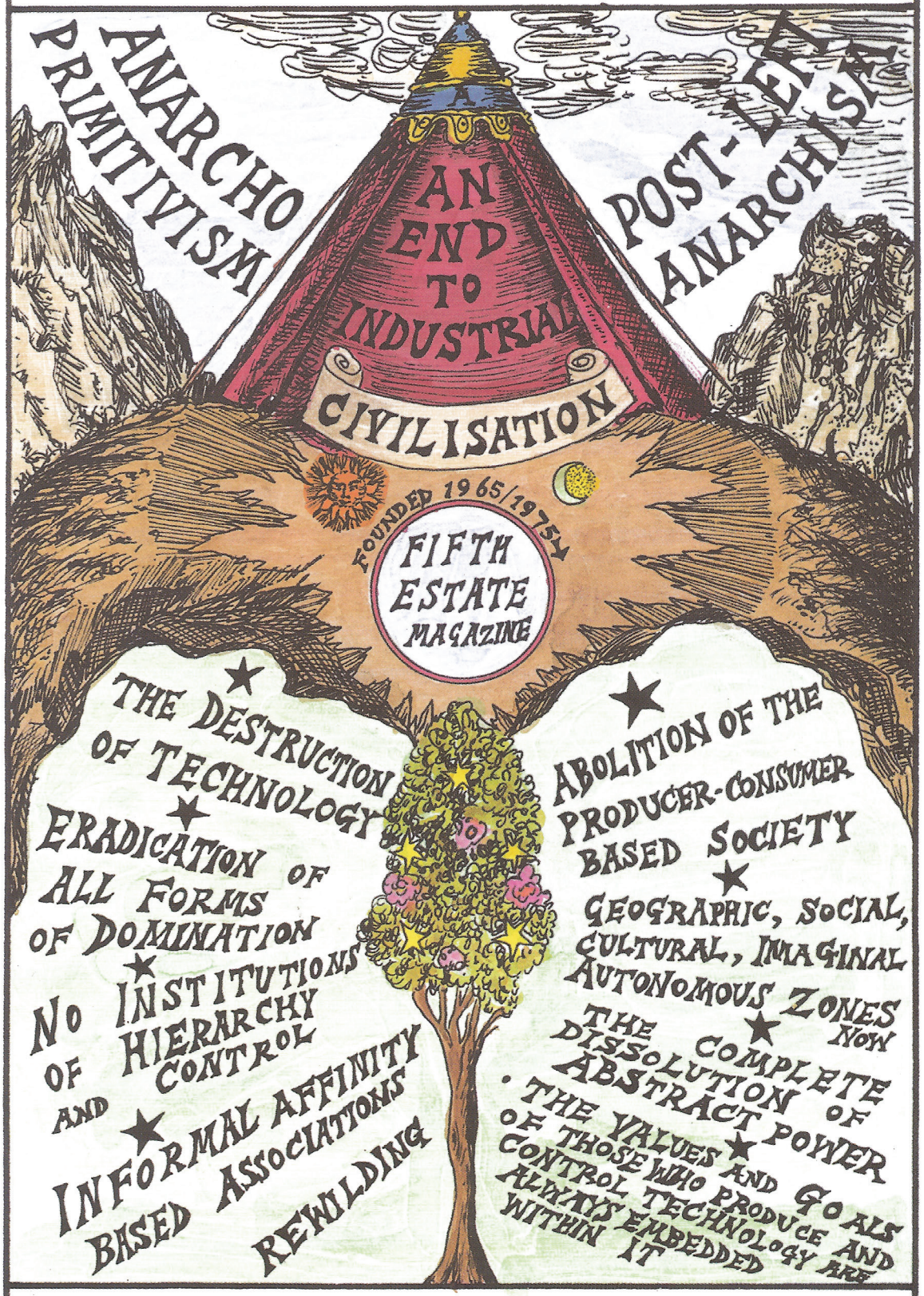
THE STAR

XVIII



THE MOON

XIX

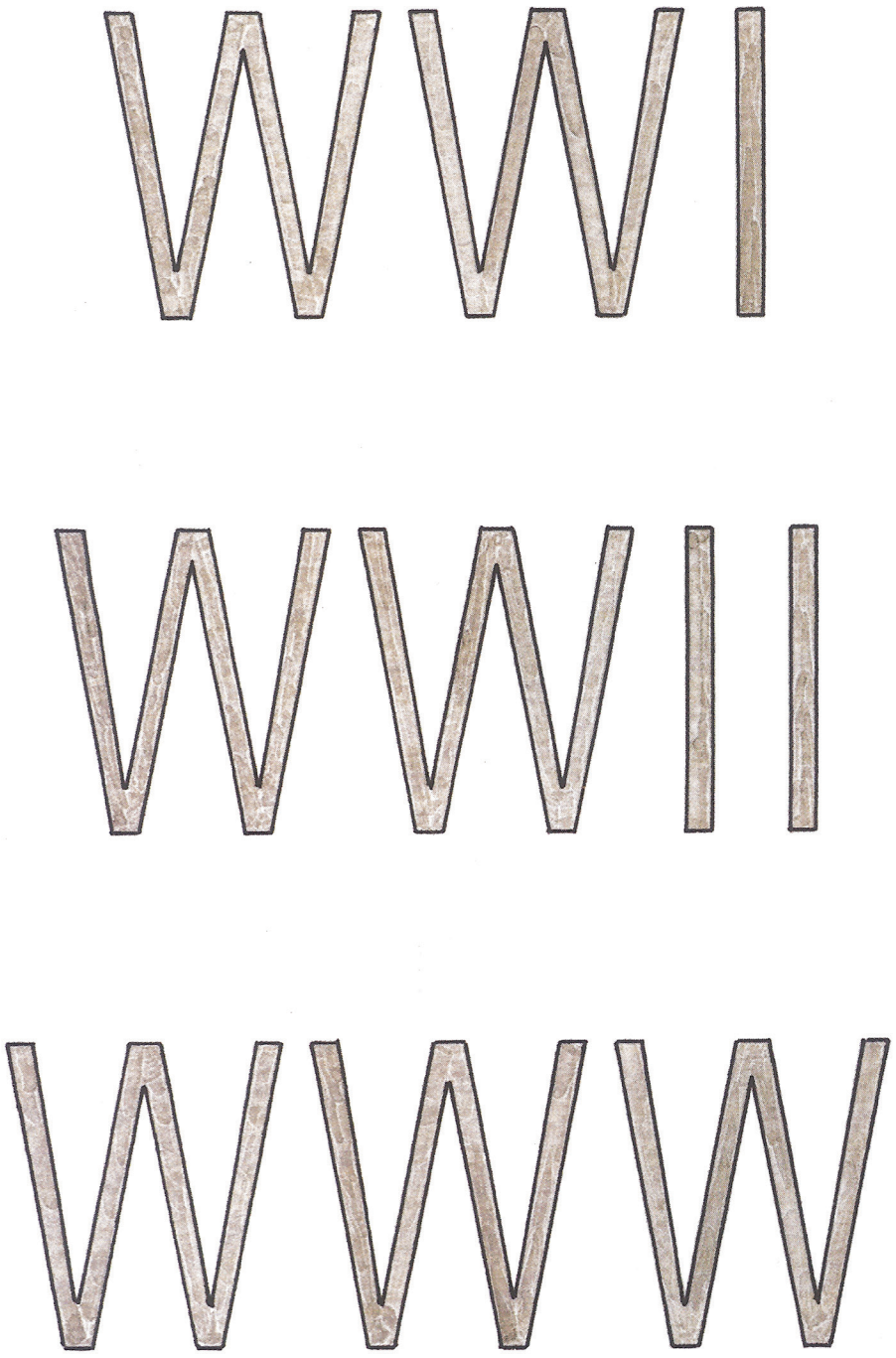

ANARCHO PRIMITIVISM
POST-LEFT ANARCHISM
AN END TO INDUSTRIAL CIVILISATION
FOUNDED 1965/1975
FIFTH ESTATE MAGAZINE
★ THE DESTRUCTION OF TECHNOLOGY
★ ERADICATION OF ALL FORMS OF DOMINATION
★ NO INSTITUTIONS OF HIERARCHY AND CONTROL
★ INFORMAL AFFINITY BASED ASSOCIATIONS
REWILDING
★ ABOLITION OF THE PRODUCER-CONSUMER BASED SOCIETY
★ GEOGRAPHIC, SOCIAL, CULTURAL, IMAGINAL AUTONOMOUS ZONES NOW
★ THE COMPLETE DISSOLUTION OF ABSTRACT POWER
★ THE VALUES AND GOALS OF THOSE WHO PRODUCE AND CONTROL TECHNOLOGY ARE ALWAYS EMBEDDED WITHIN IT

THE SUN

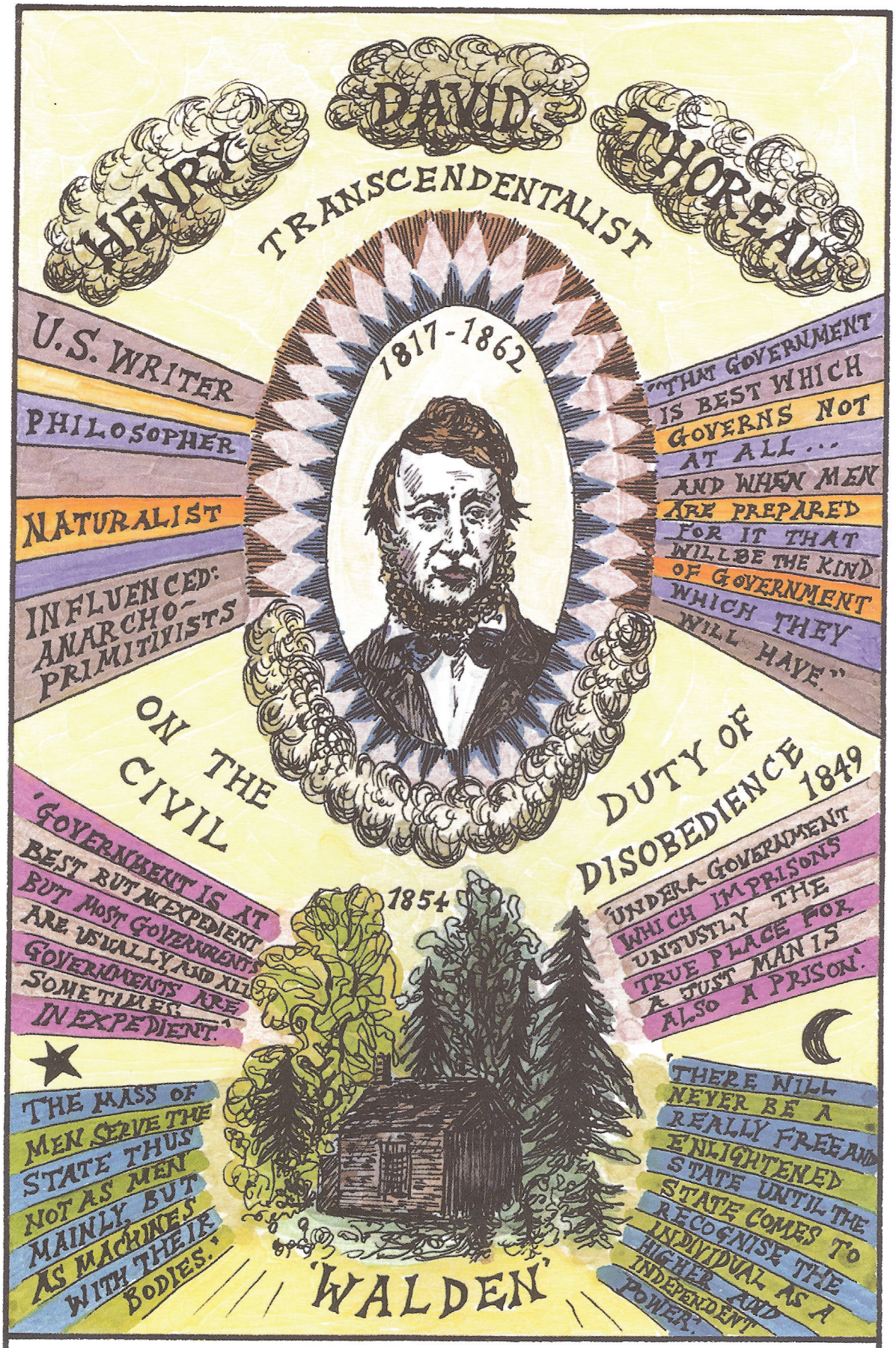
XX

JUDGEMENT

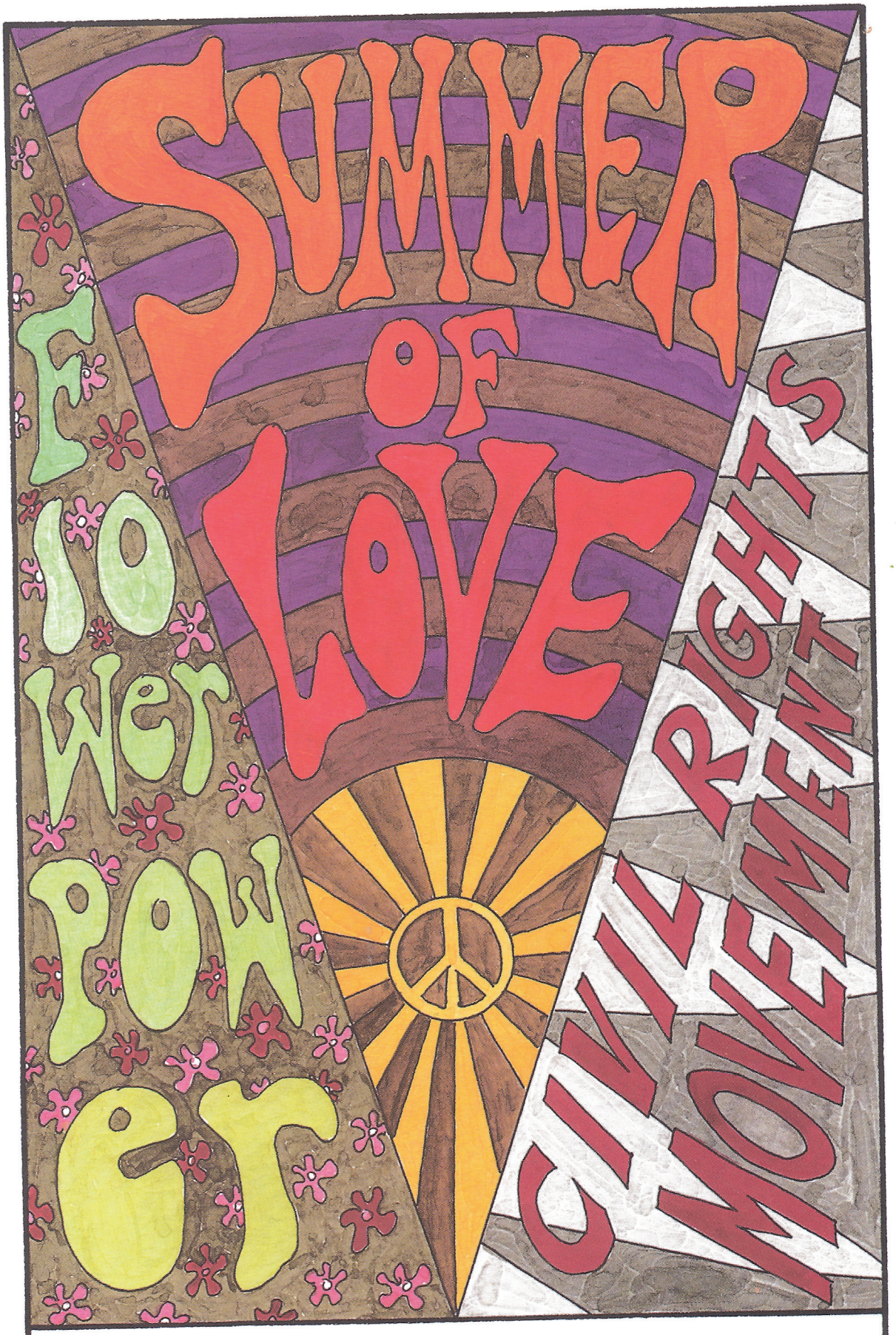
XXI



THE WORLD



ACE OF CHALICES



TWO OF CHALICES

THE ASTROLABE

150 BC - 1650

PERSIAN ASTROLABE 1208

AN ASTRONOMICAL COMPUTER FOR PREDICTING AND LOCATING POSITIONS OF THE SUN, MOON, PLANETS & STARS

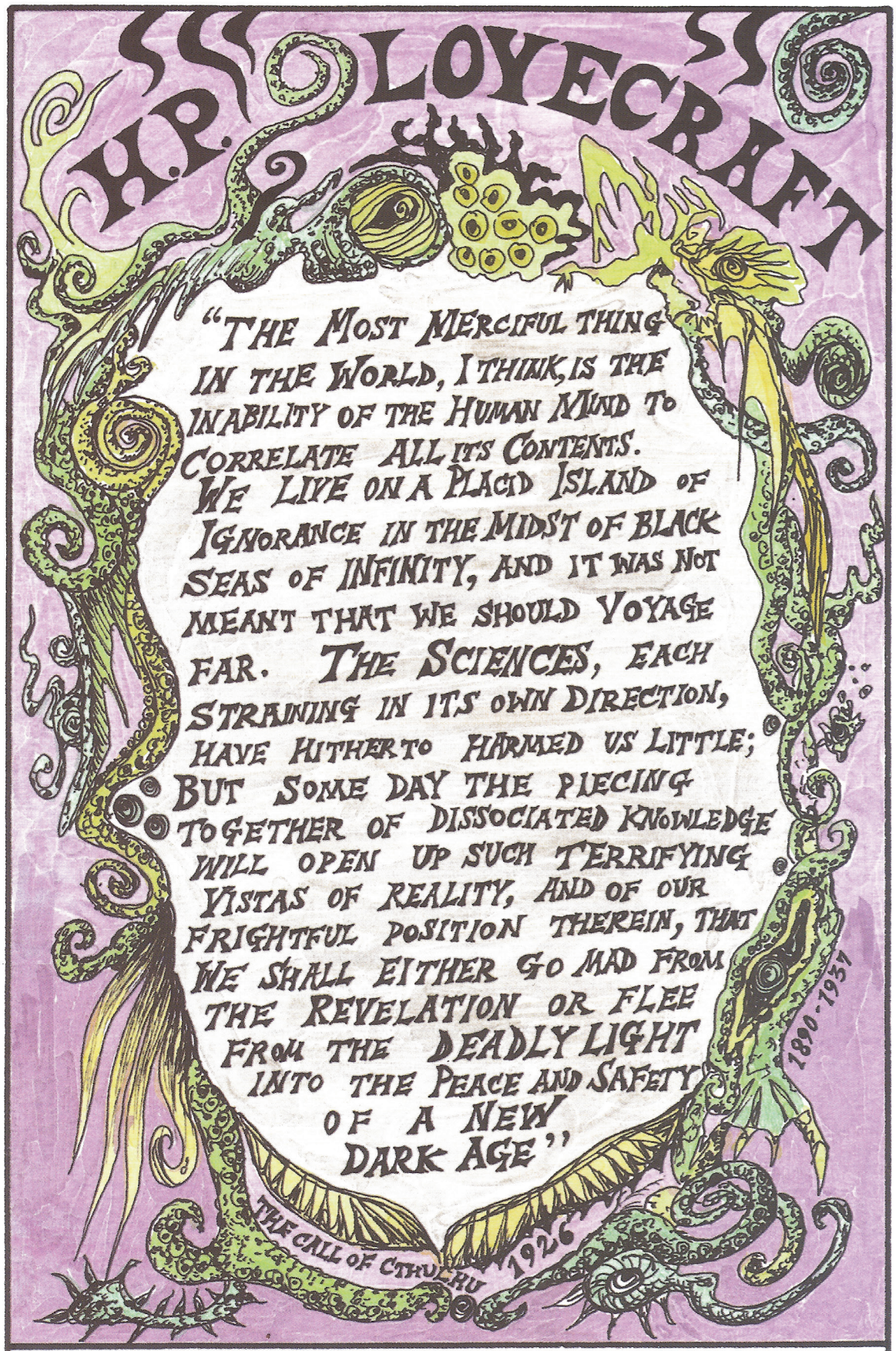
FUNCTIONS: ASTRONOMY ASTROLOGY & NAVIGATION

USED IN CLASSICAL ANTIQUITY, THE ISLAMIC GOLDEN AGE AND THE EUROPEAN MIDDLE AGES AND RENAISSANCE

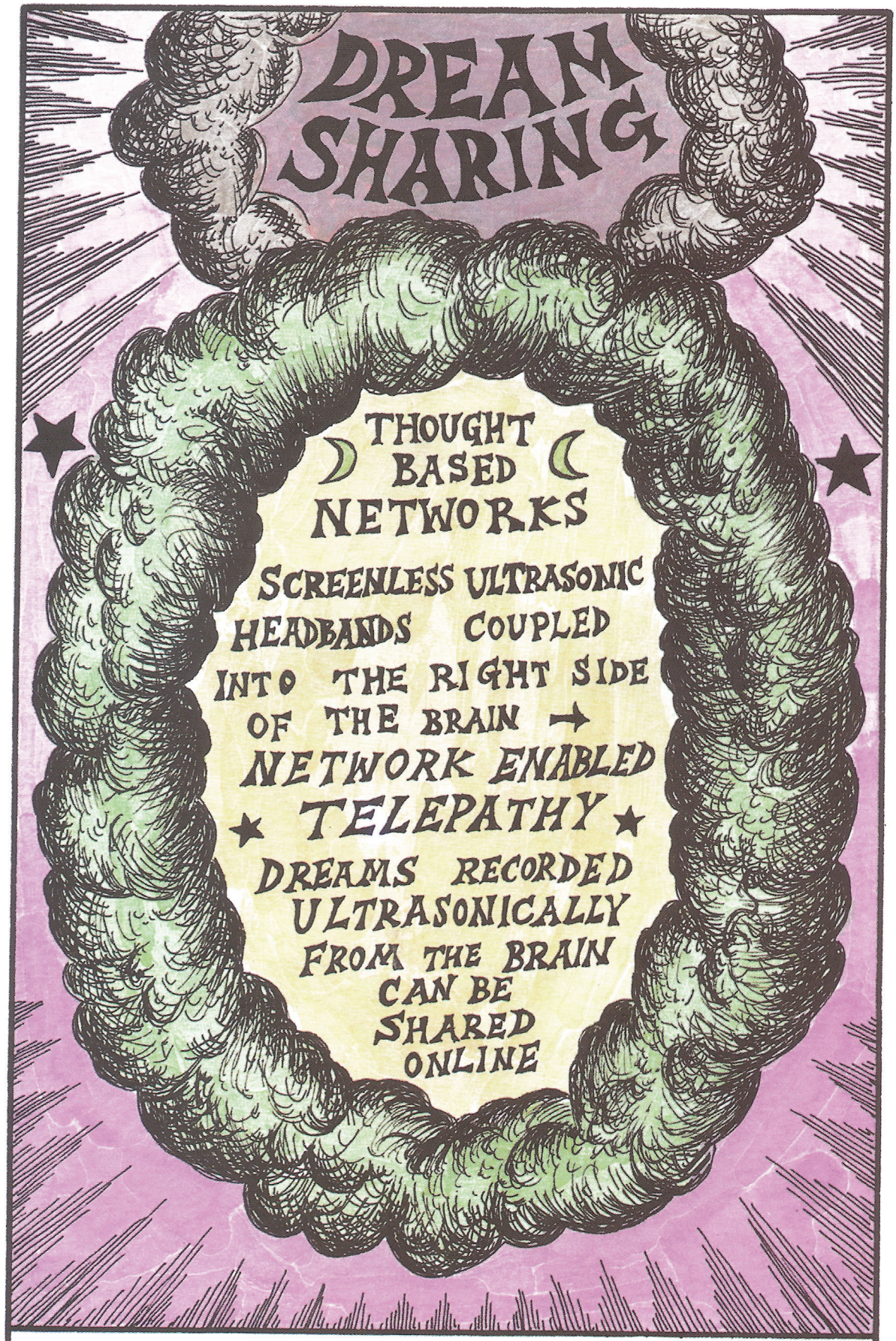
USED IN ISLAMIC WORLD TO CALCULATE THE QIBLA AND TIMES FOR PRAYERS

THREE OF CHALICES

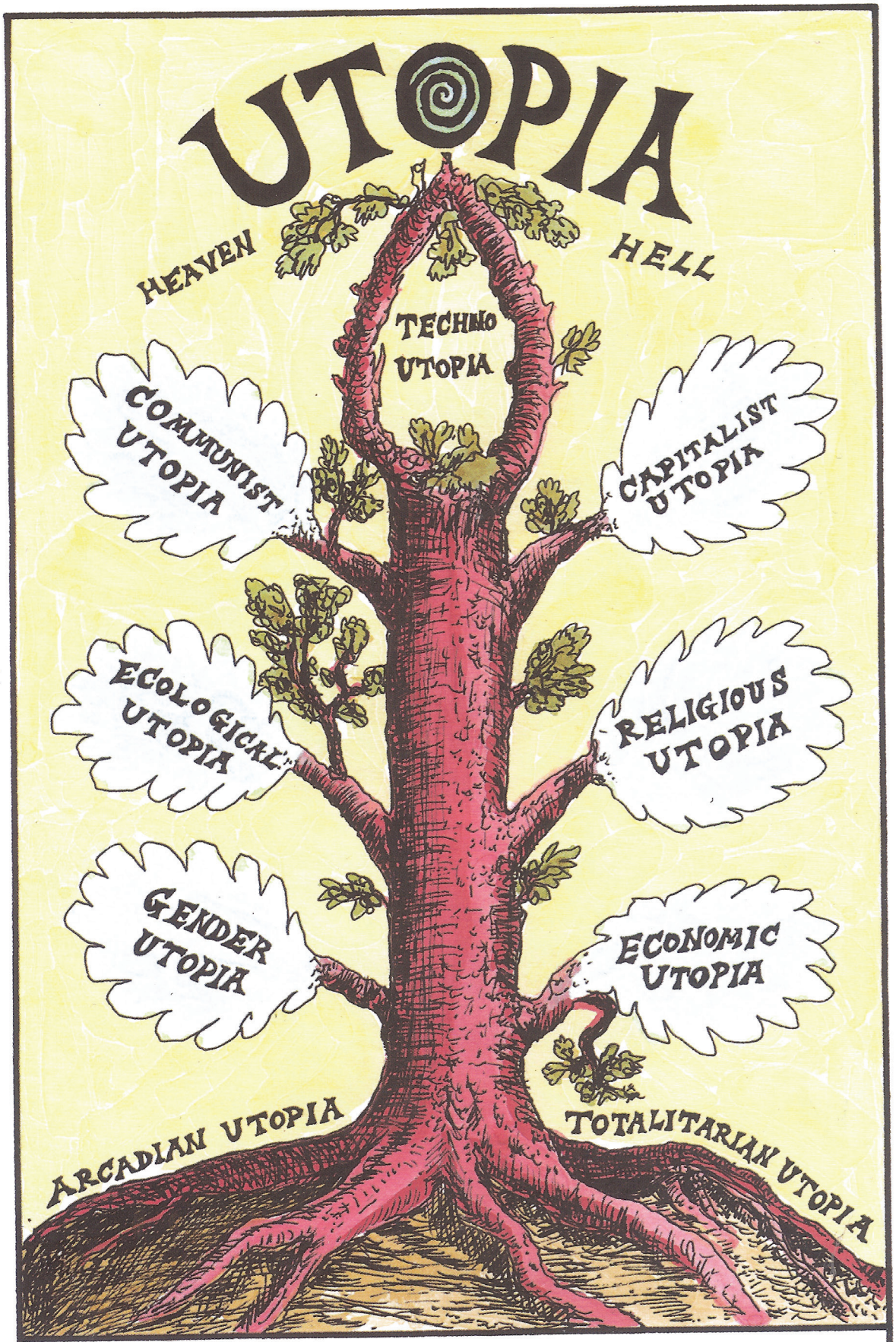
FOUR OF CHALICES



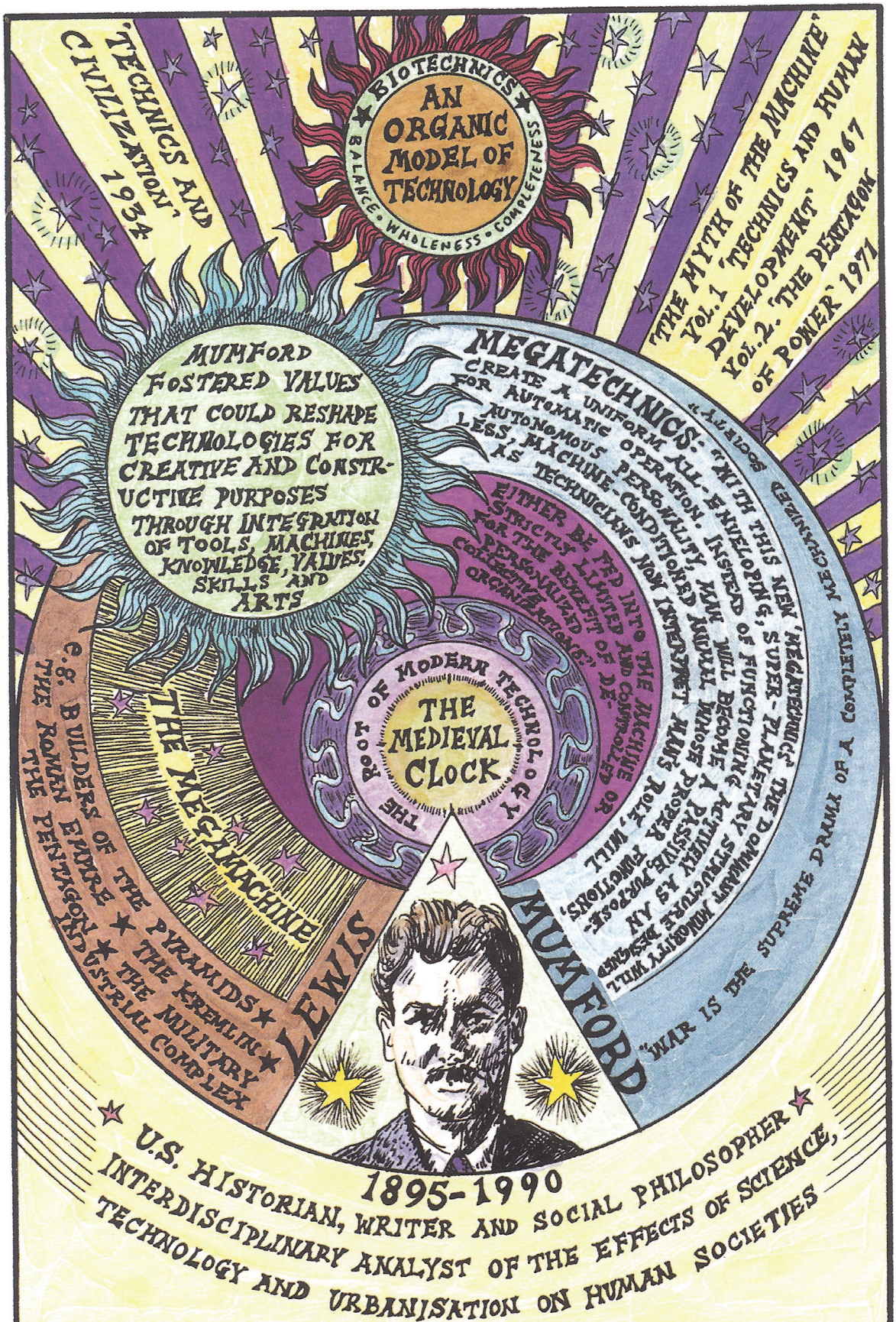
FIVE OF CHALICES



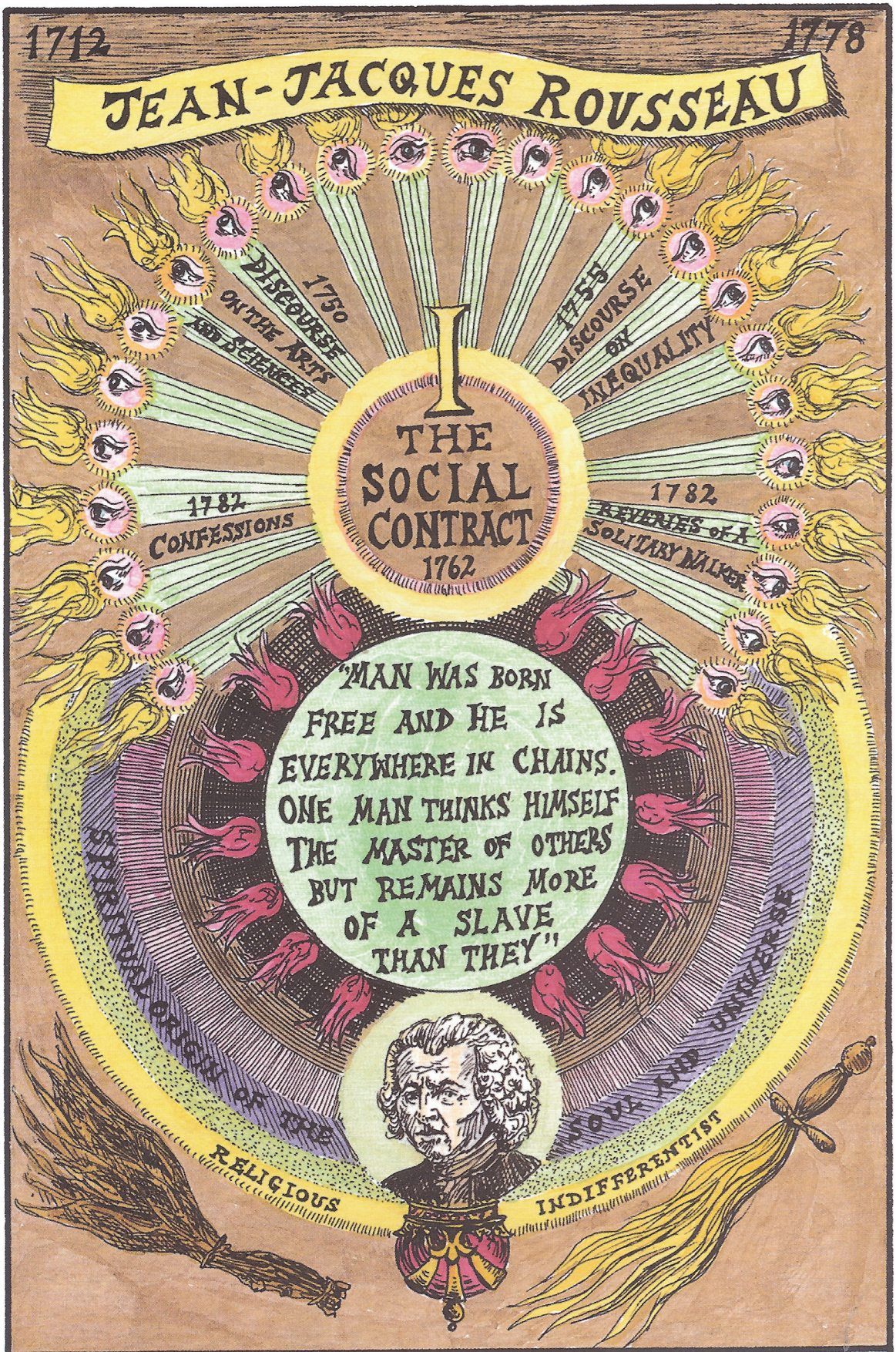
SIX OF CHALICES



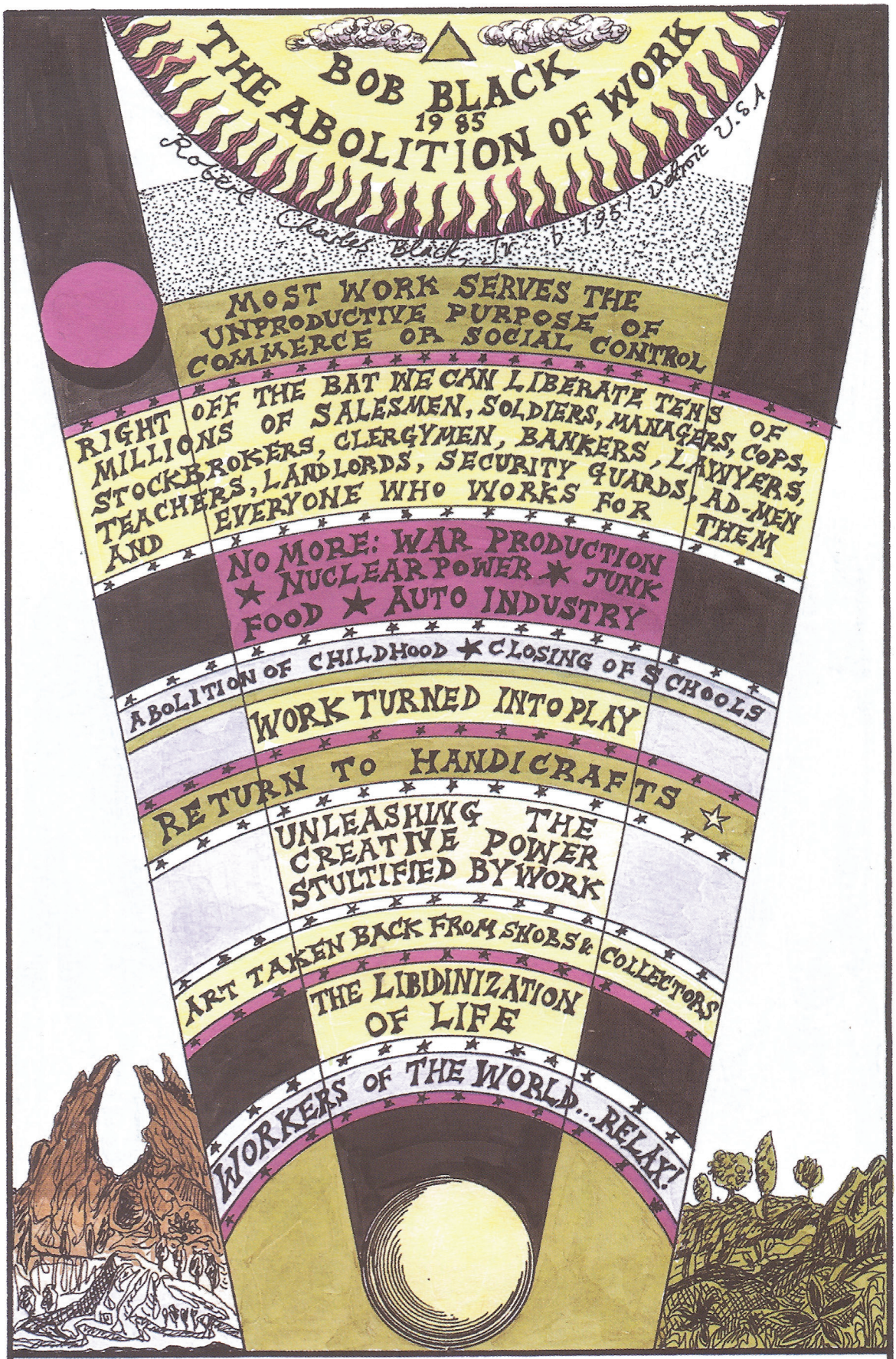
SEVEN OF CHALICES



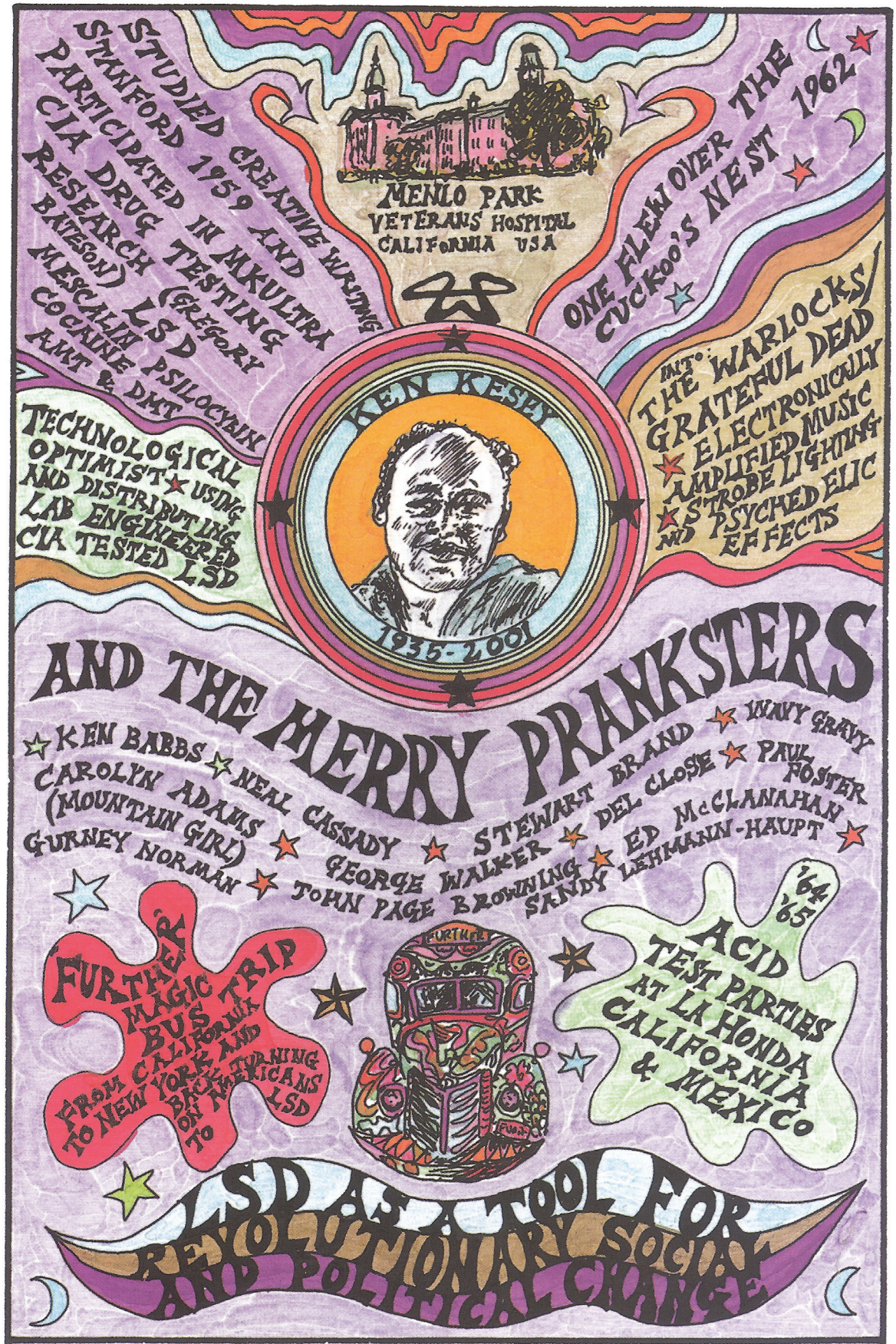
EIGHT OF CHALICES



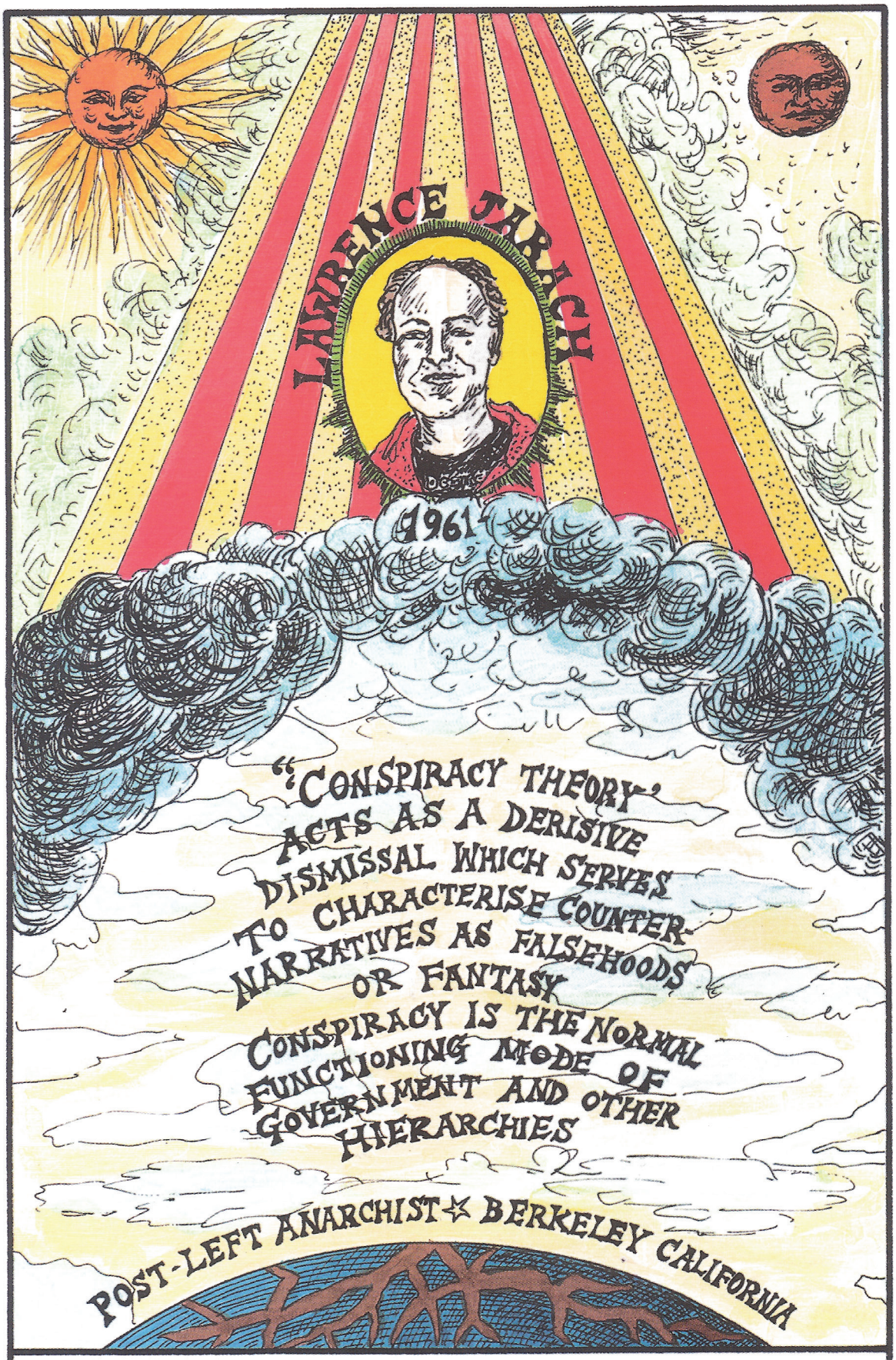
NINE OF CHALICES



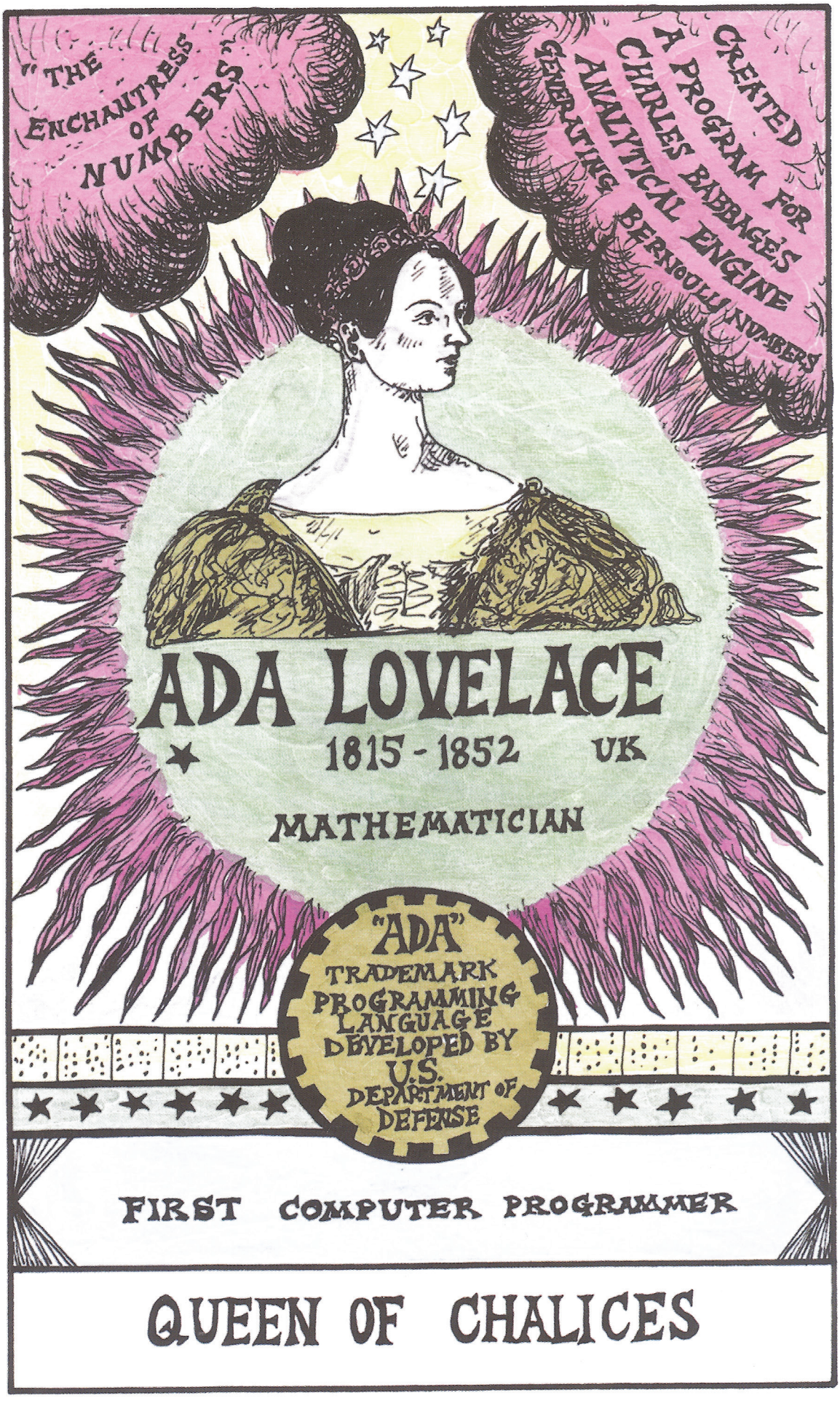
TEN OF CHALICES



KNAVE OF CHALICES



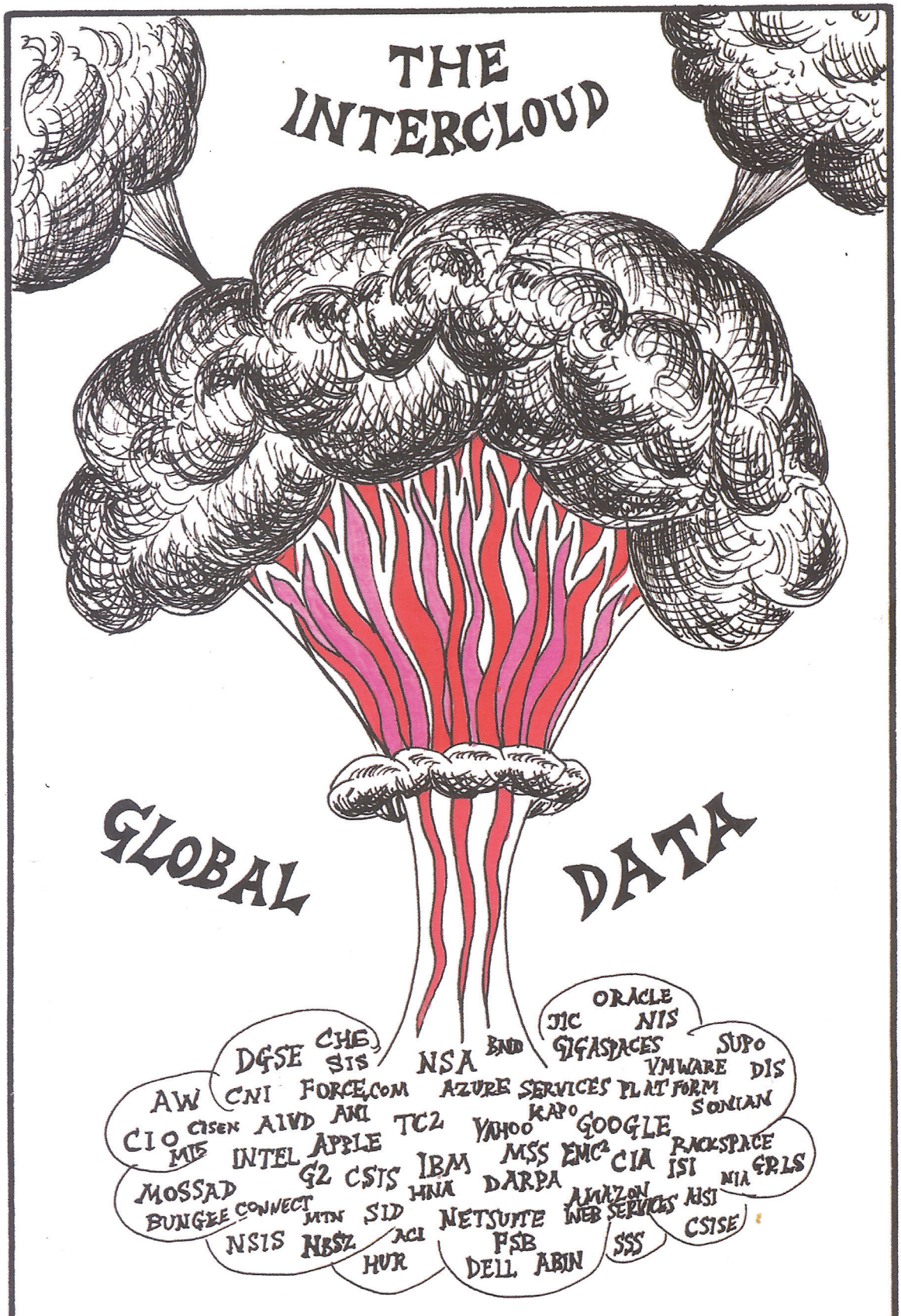
KNIGHT OF CHALICES


"THE ENCHANTRESS OF NUMBERS"
CREATED A PROGRAM FOR CHARLES BABBAGE'S ANALYTICAL ENGINE GENERATING BERNOULLI NUMBERS
ADA LOVELACE
1815 - 1852 UK
MATHEMATICIAN
"ADA" TRADEMARK PROGRAMMING LANGUAGE DEVELOPED BY U.S. DEPARTMENT OF DEFENSE
FIRST COMPUTER PROGRAMMER
QUEEN OF CHALICES

Part of a radical British tendency within Cybernetics of 'anti-control'. Incl. Gregory Bateson, R.D. Laing, Gordon Pask, Ross Ashby & Grey Walter.

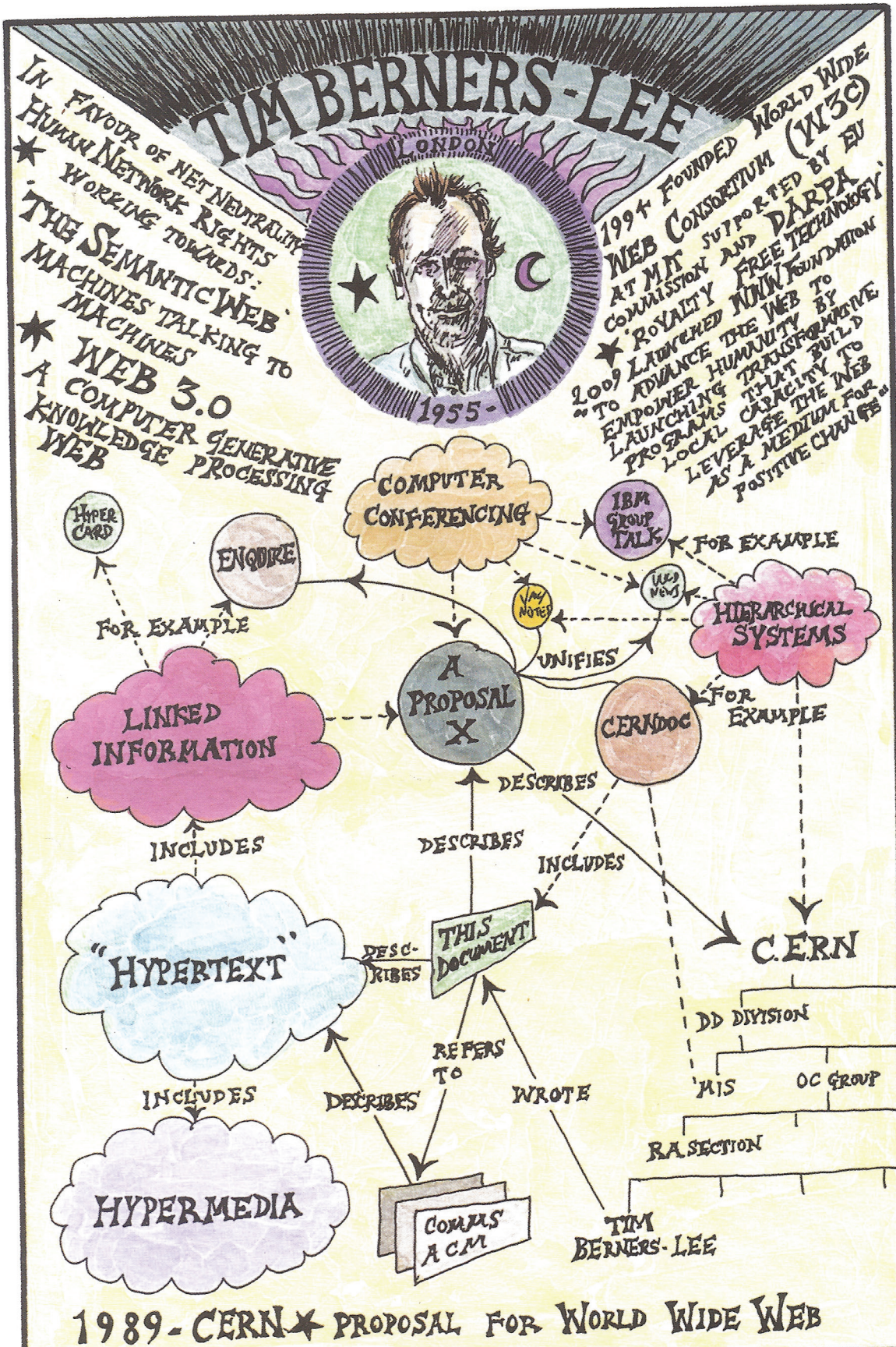
KING OF CHALICES

ACE OF PENTACLES



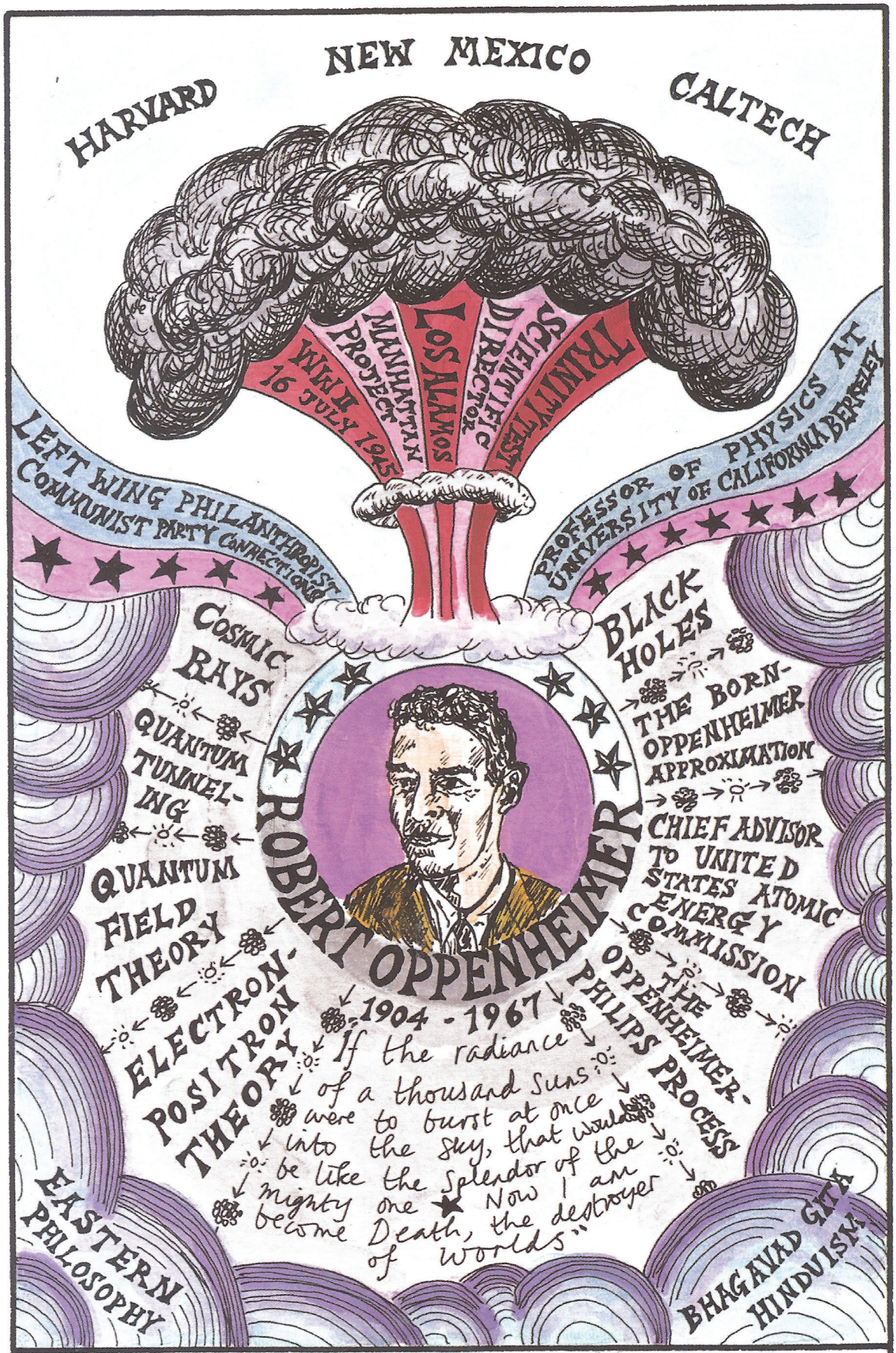
TWO OF PENTACLES

THREE OF PENTACLES



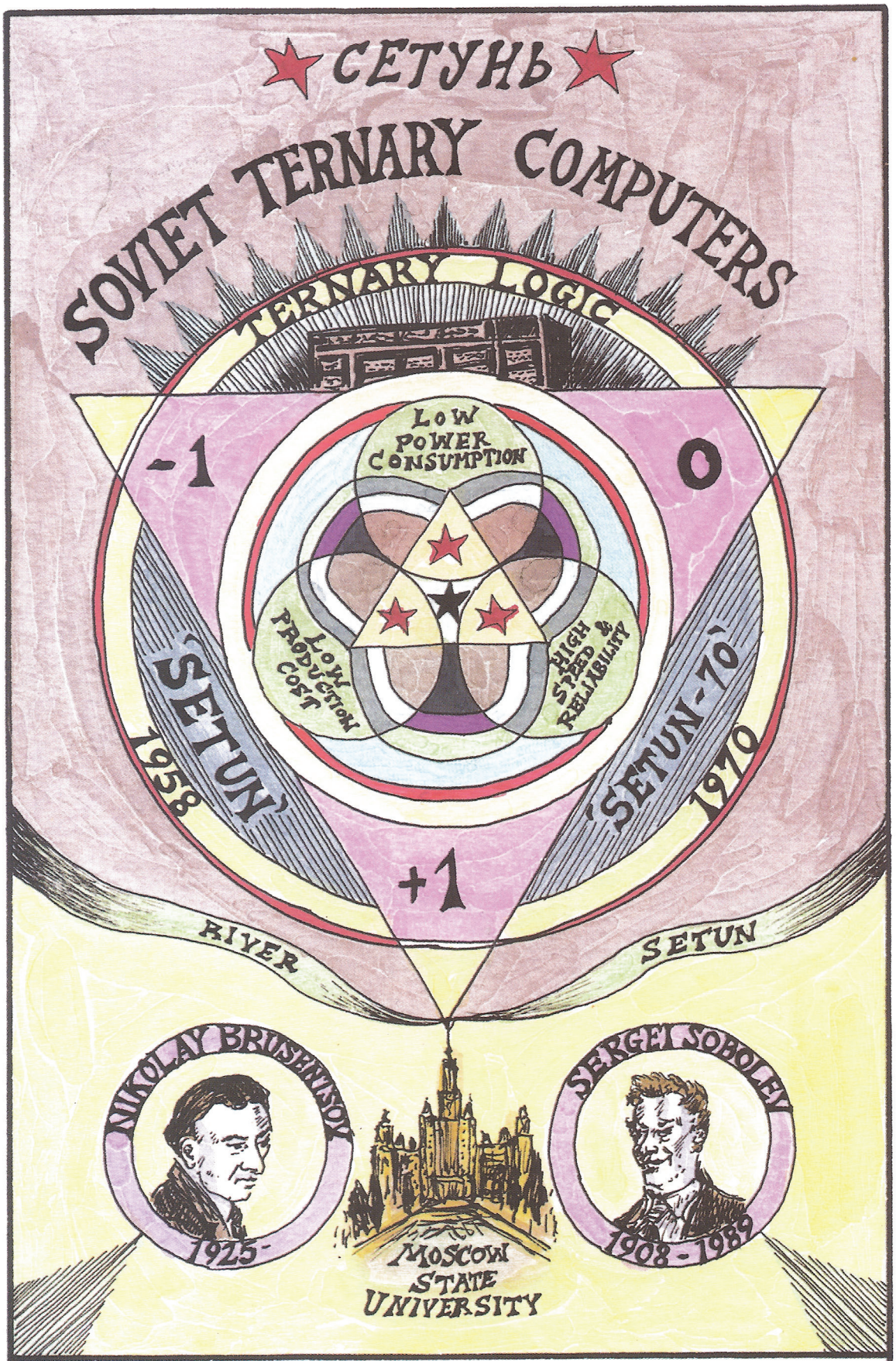
FOUR OF PENTACLES

FIVE OF PENTACLES

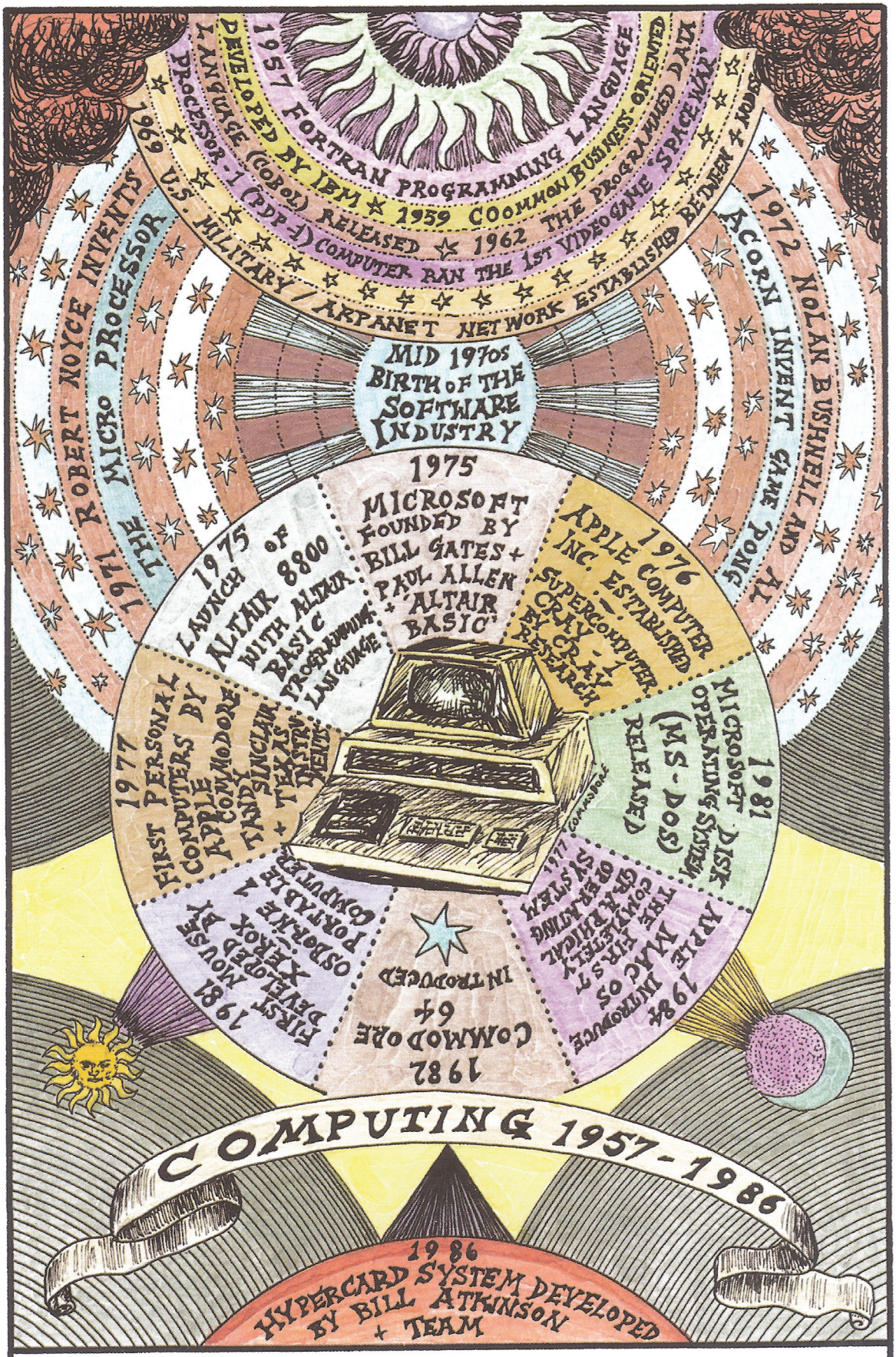


SIX OF PENTACLES

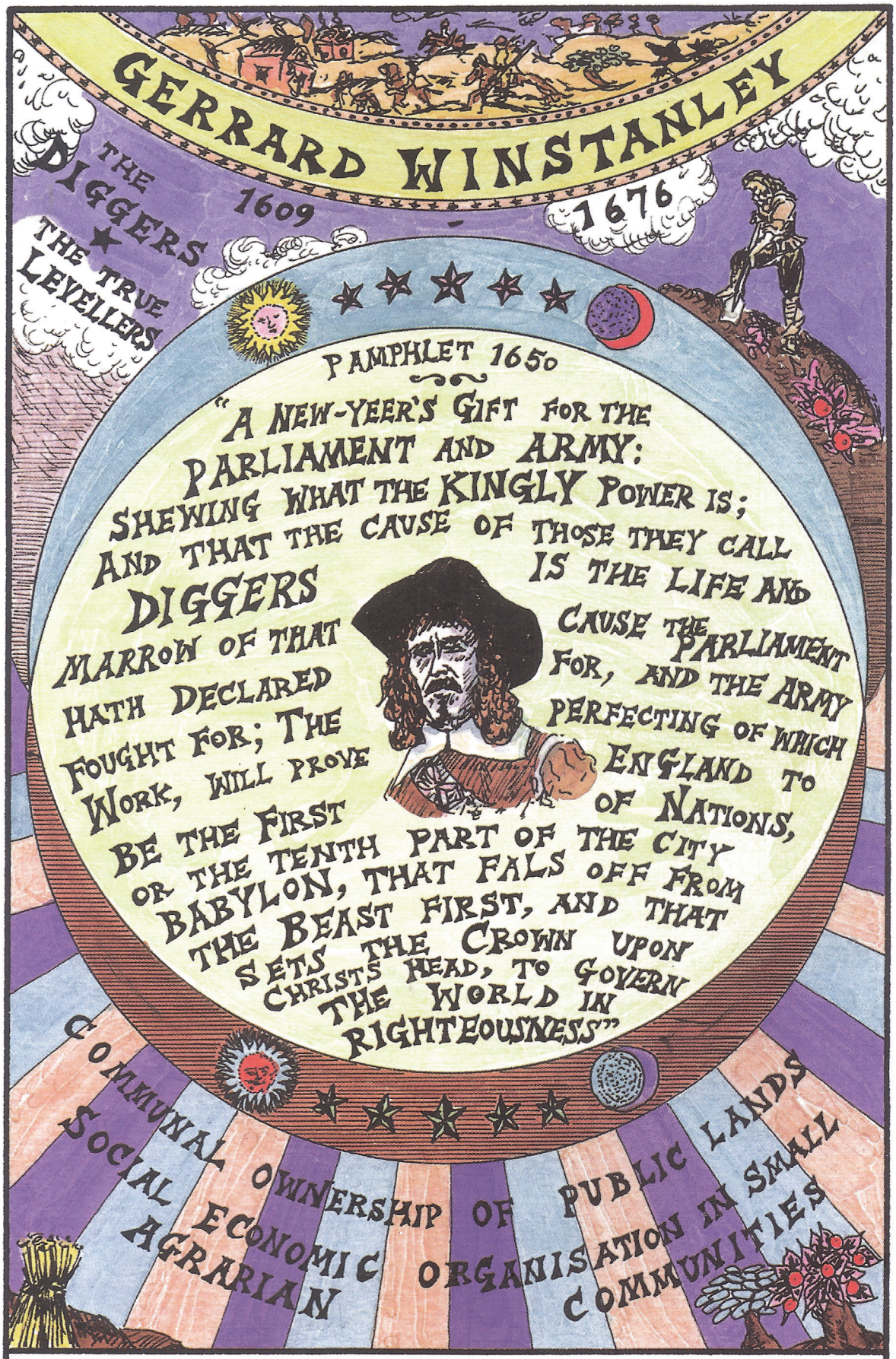
SEVEN OF PENTACLES



EIGHT OF PENTACLES

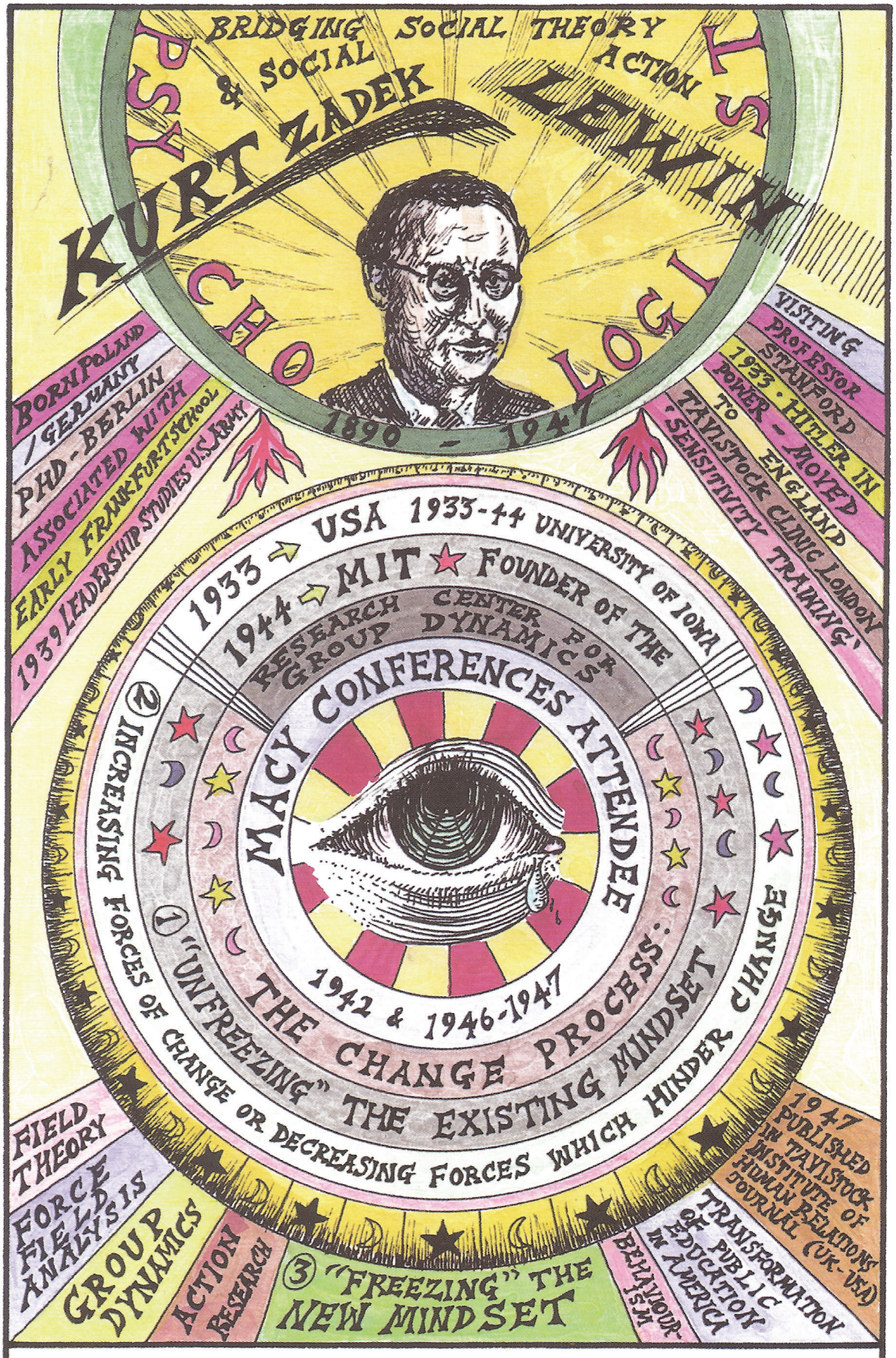


NINE OF PENTACLES

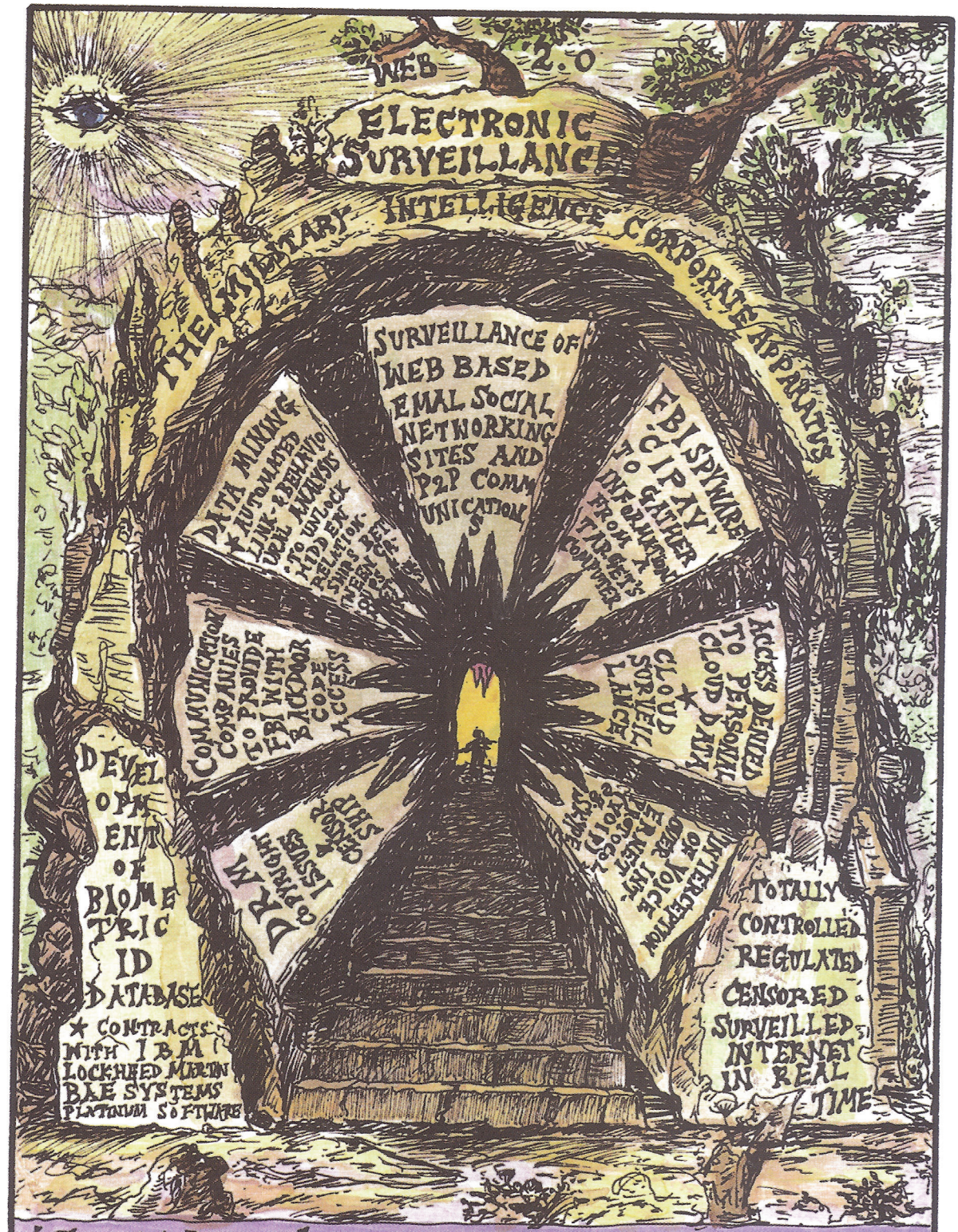


TEN OF PENTACLES

KNAVE OF PENTACLES

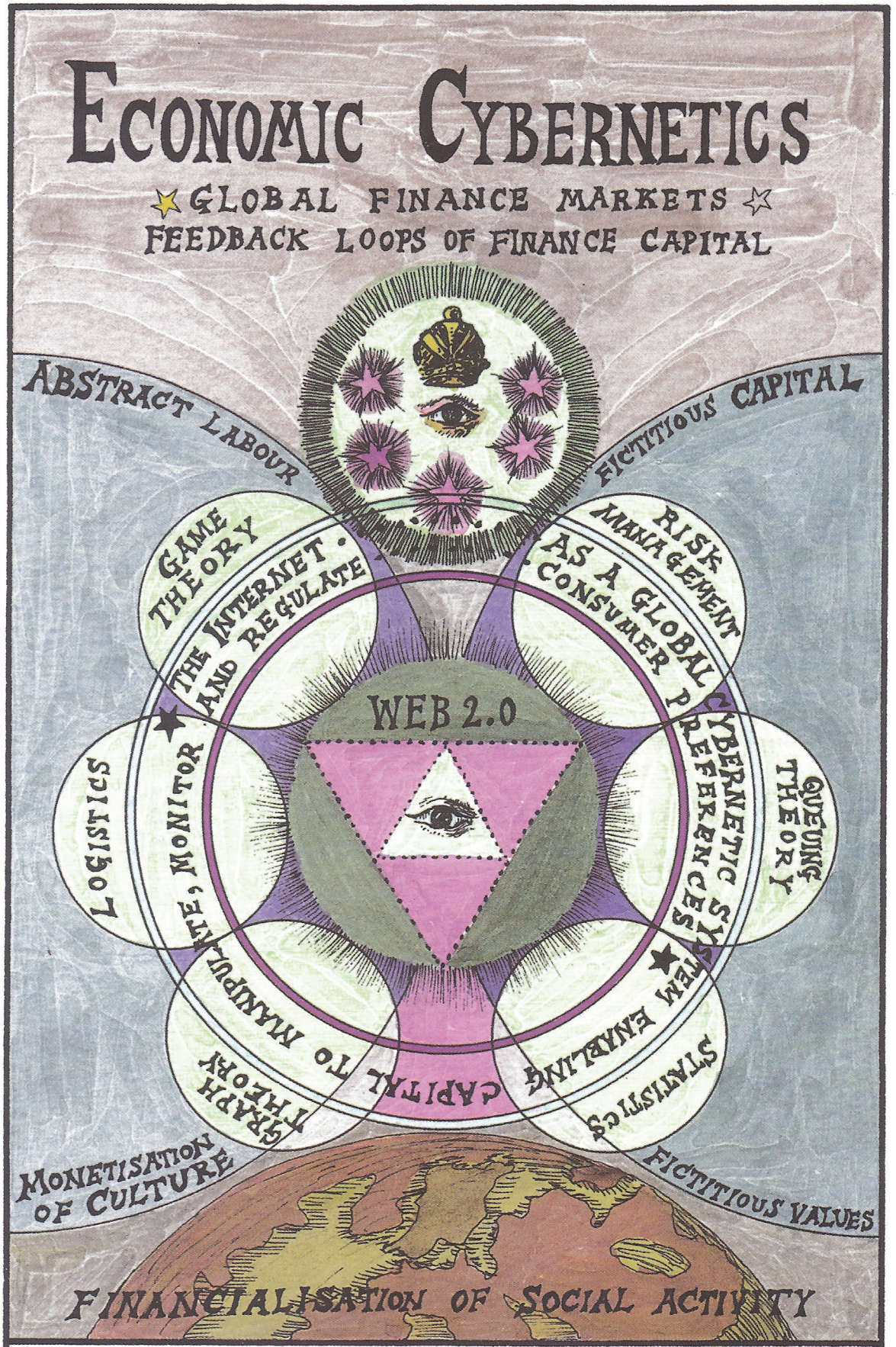


KNIGHT OF PENTACLES

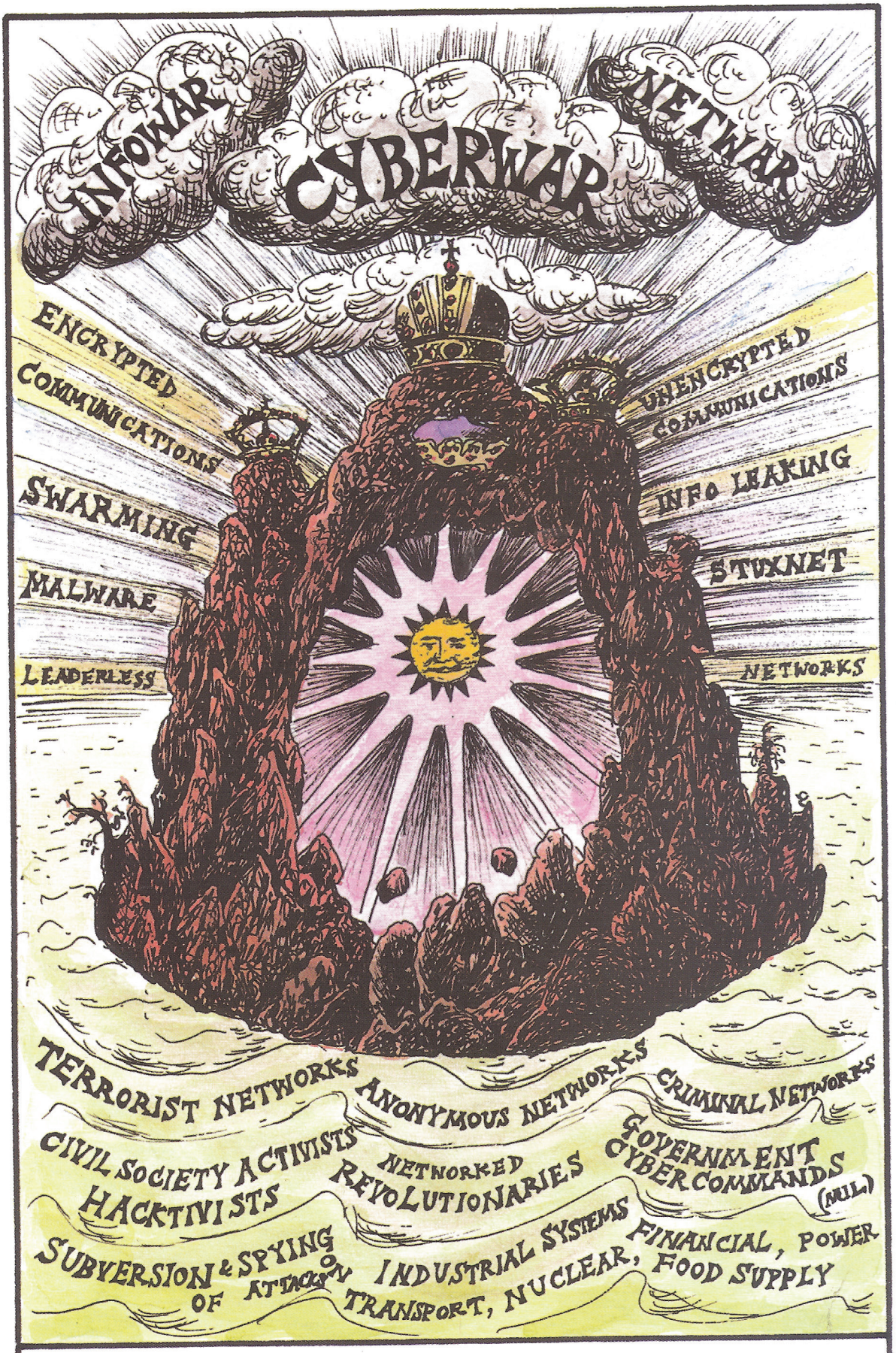


'GOING DARK' IS THE FBI'S CODENAME FOR ITS MULTIMILLION-DOLLAR PROJECT TO EXTEND ITS ABILITY TO WIRETAP COMMUNICATIONS AS THEY HAPPEN. THE PROJECT DATES FROM 2006 AND HAS USED CONSULTANTS FROM THE RAND CORPORATION AND BOOZ ALLEN HAMILTON TO FIND SOLUTIONS ★★★★★★★★

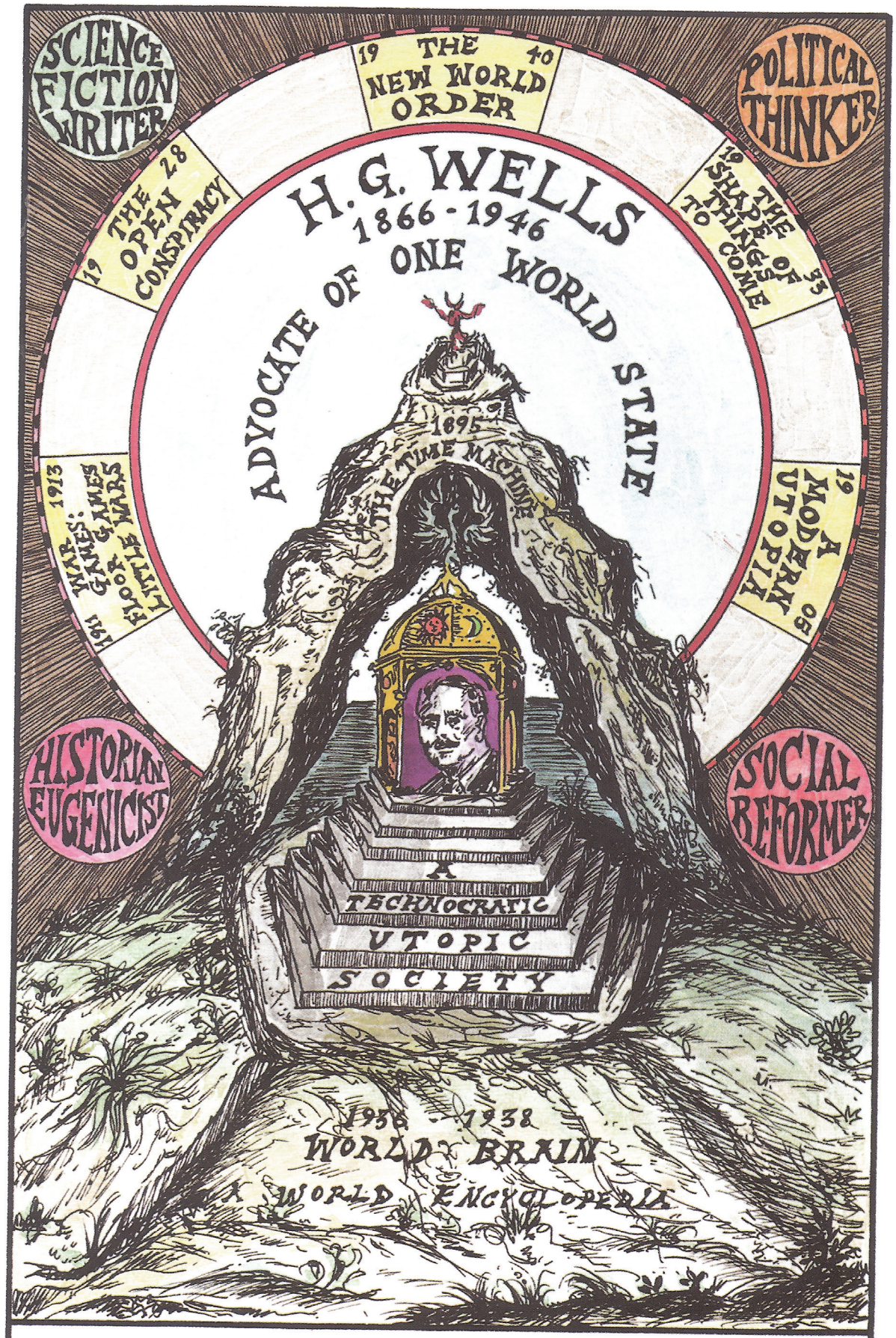
QUEEN OF PENTACLES



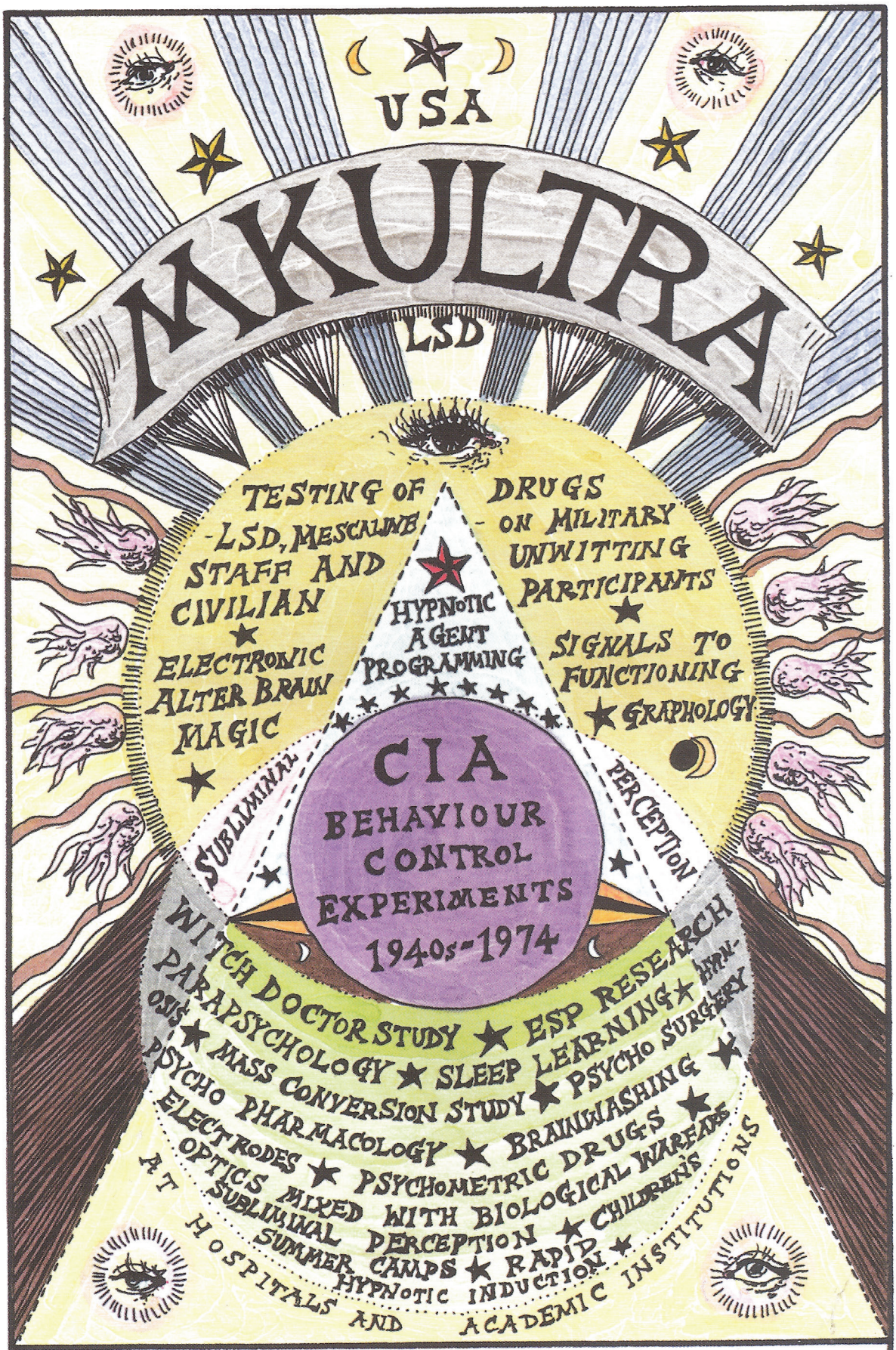
KING OF PENTACLES



ACE OF SWORDS

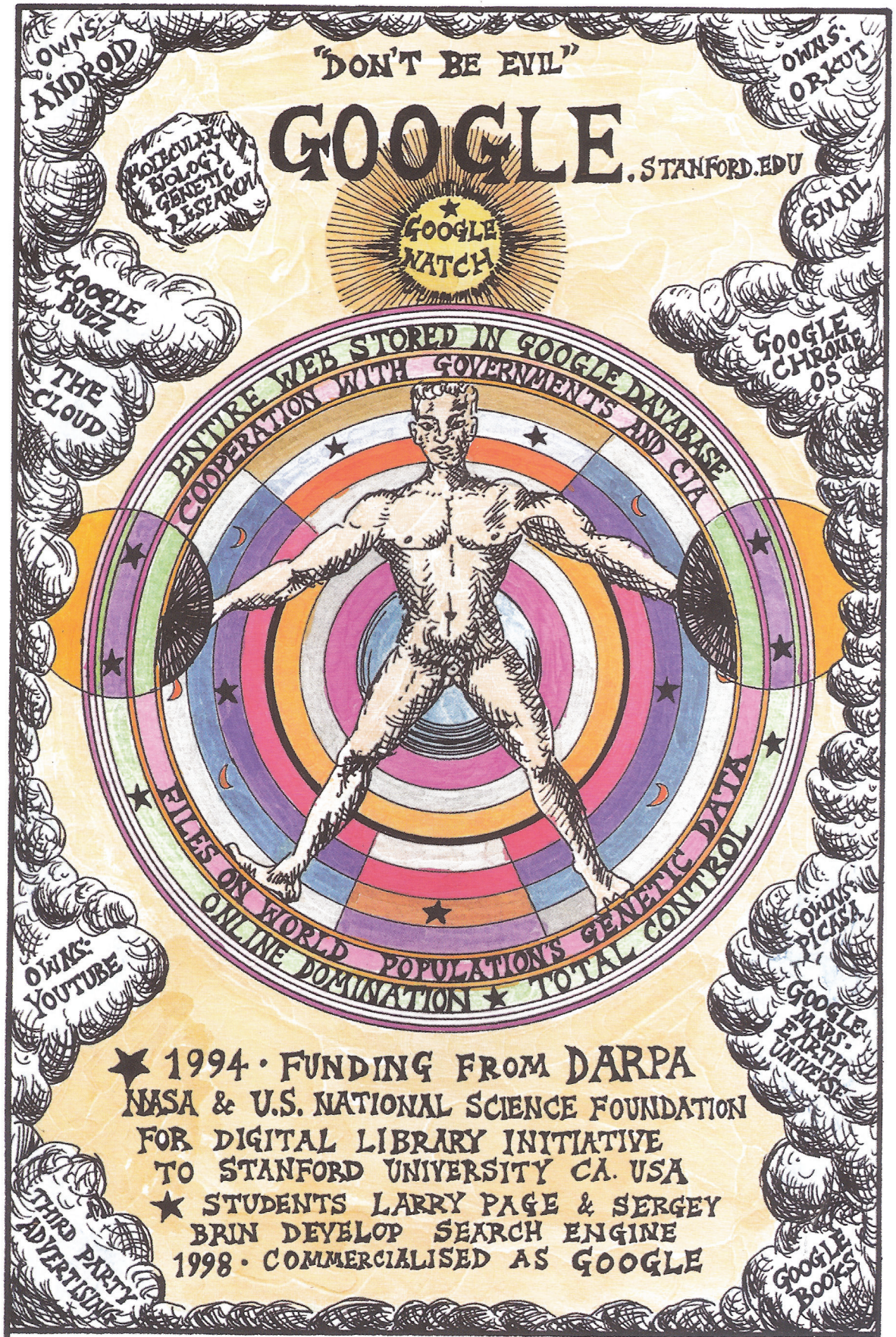


TWO OF SWORDS

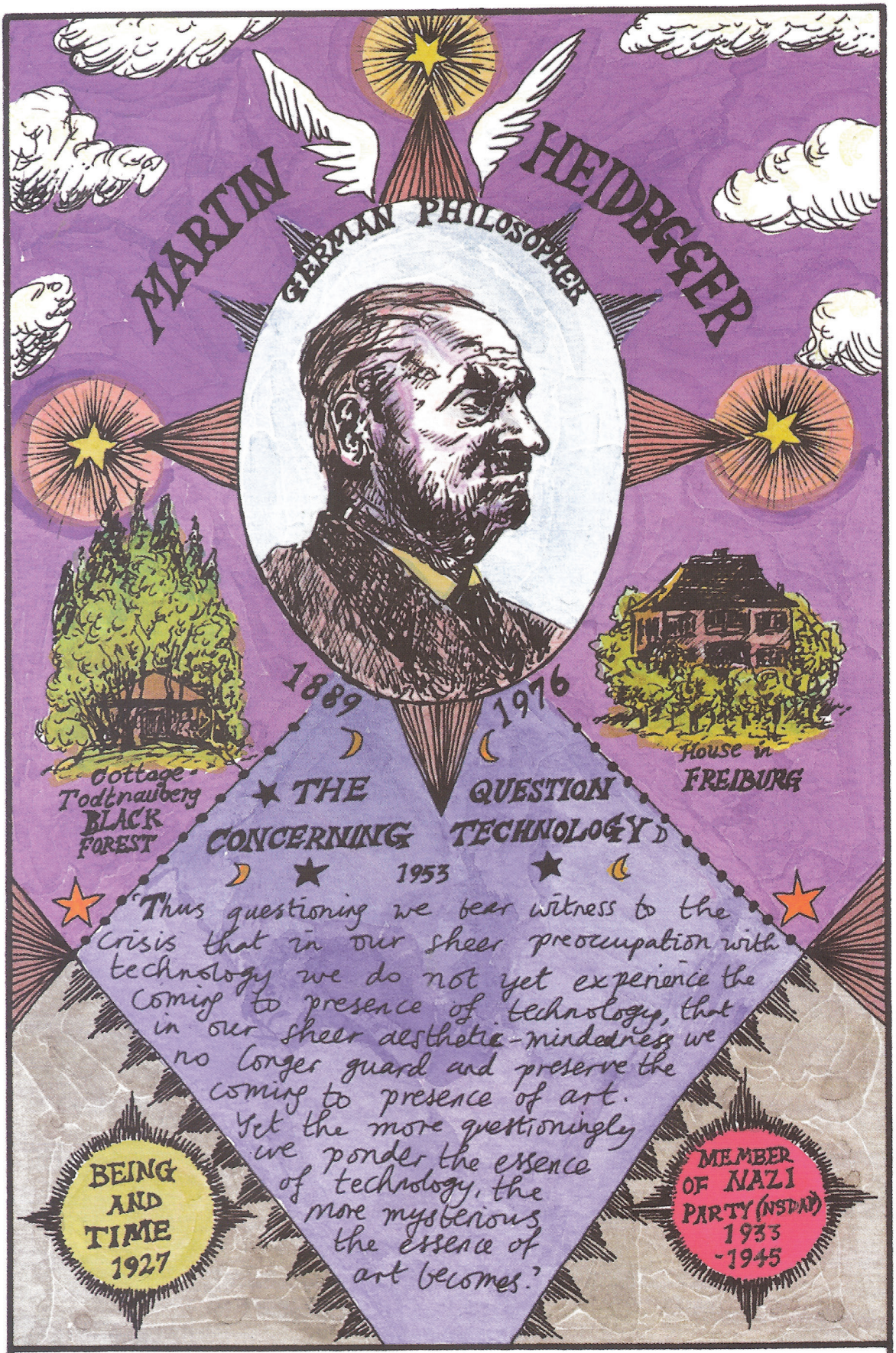


THREE OF SWORDS

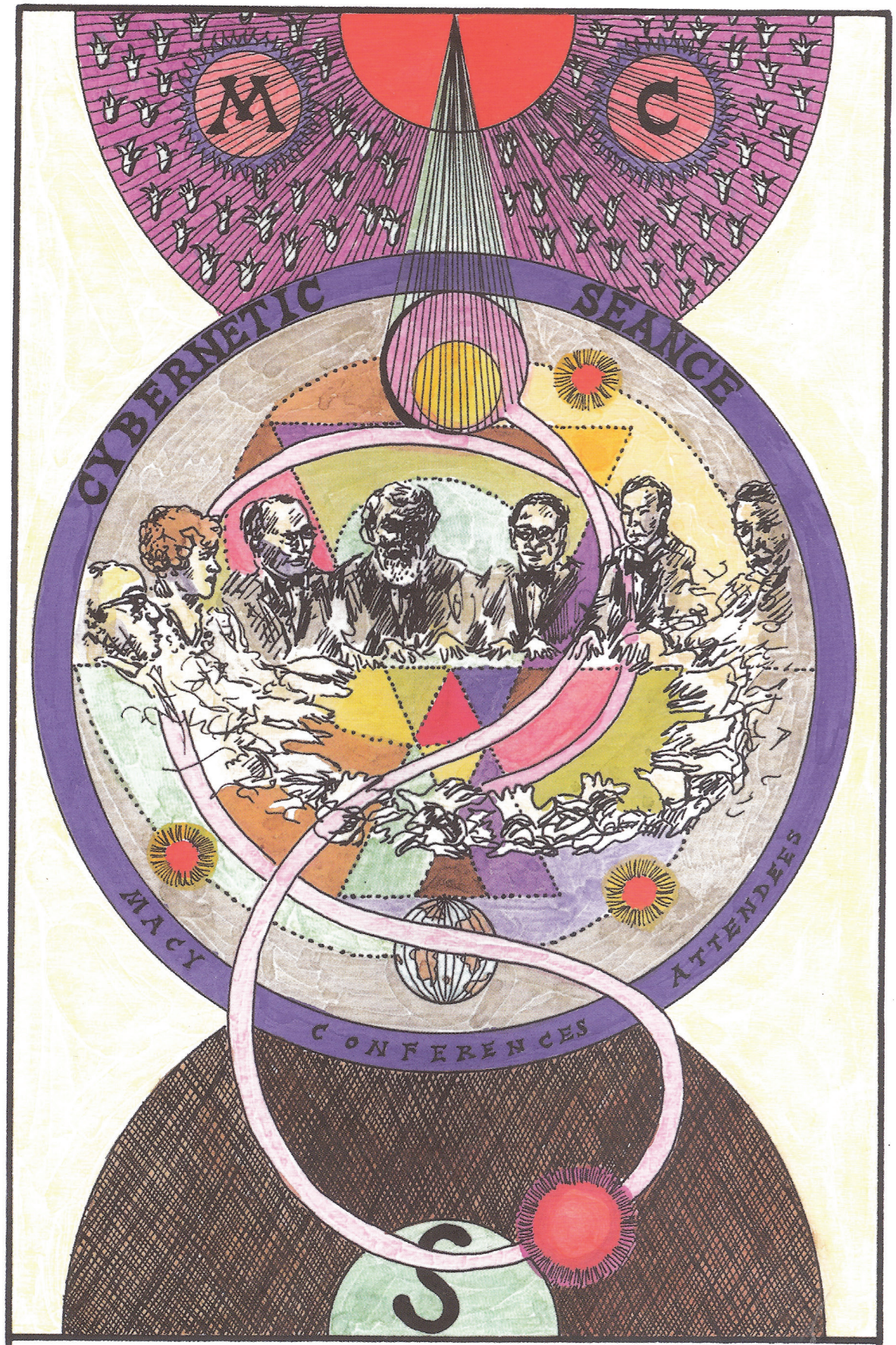
FOUR OF SWORDS



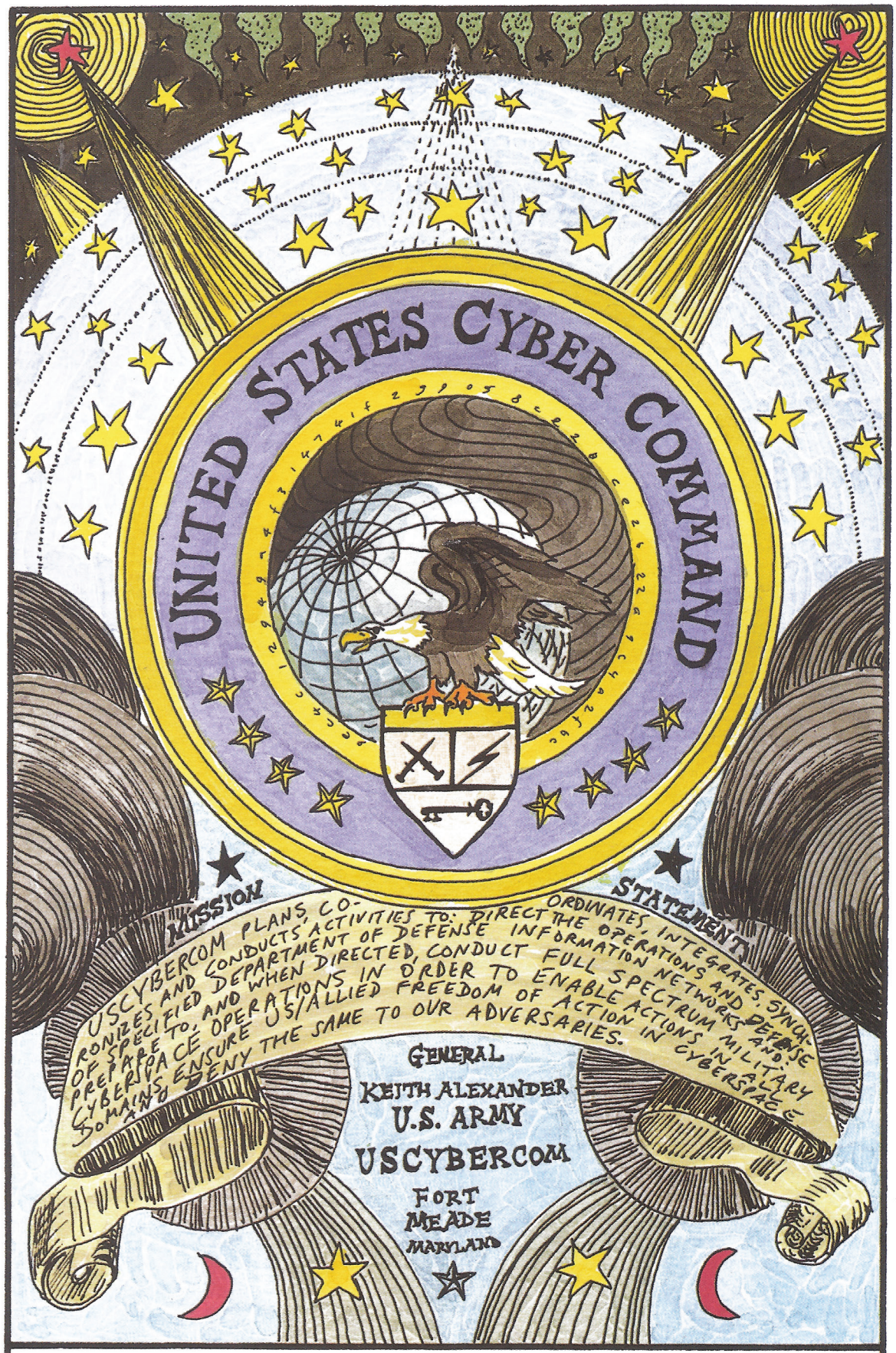
FIVE OF SWORDS



SIX OF SWORDS



SEVEN OF SWORDS



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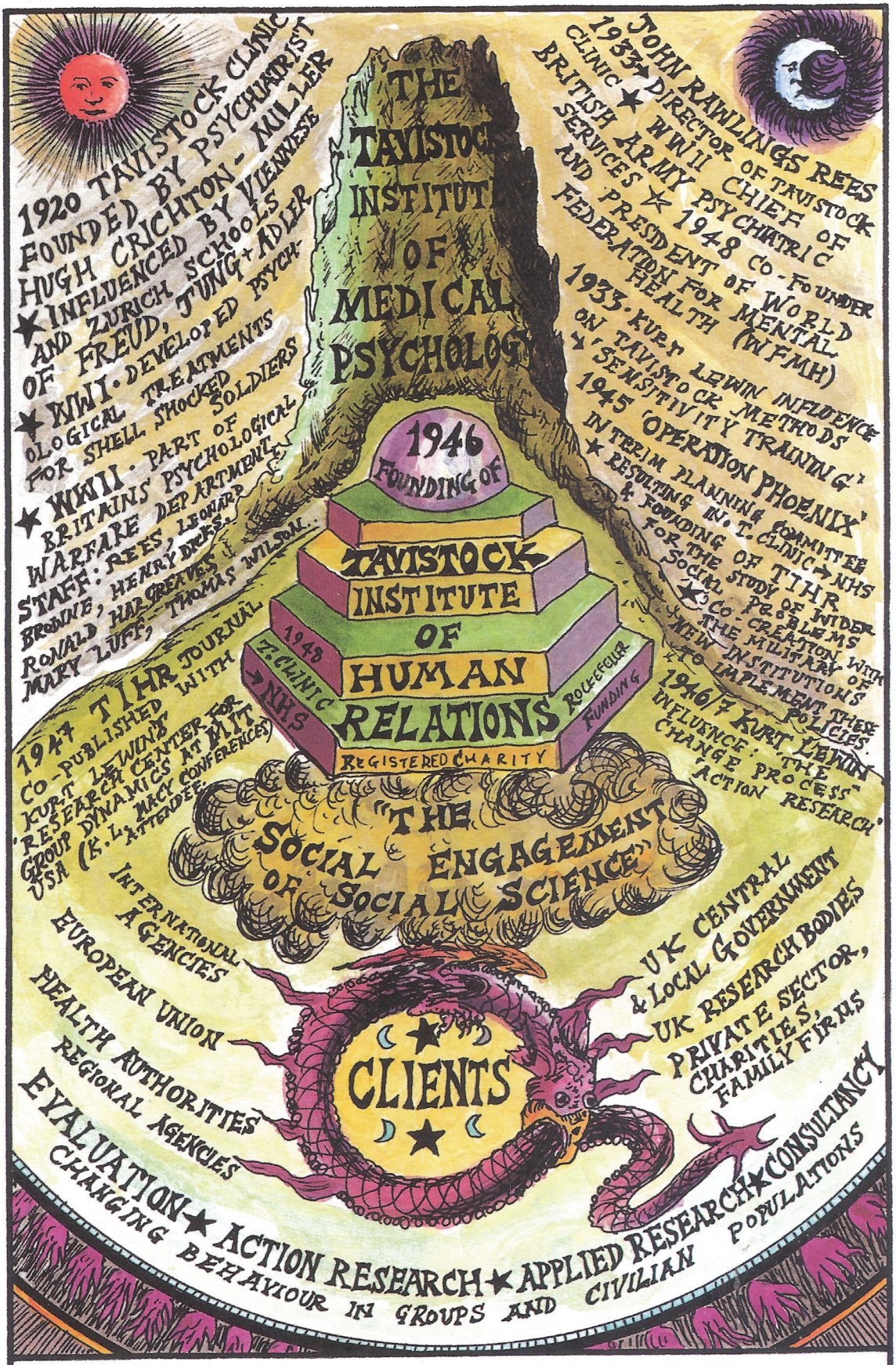
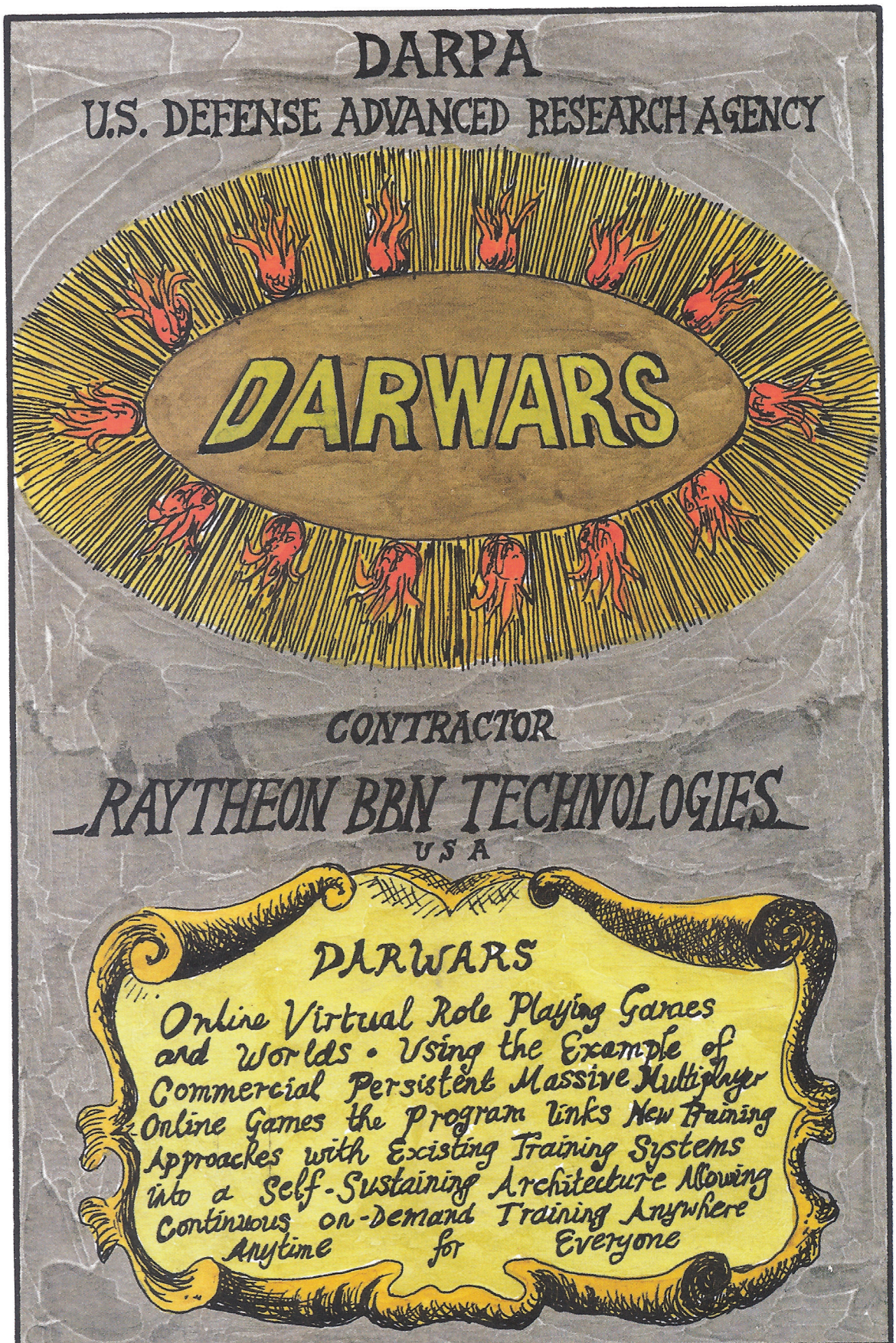
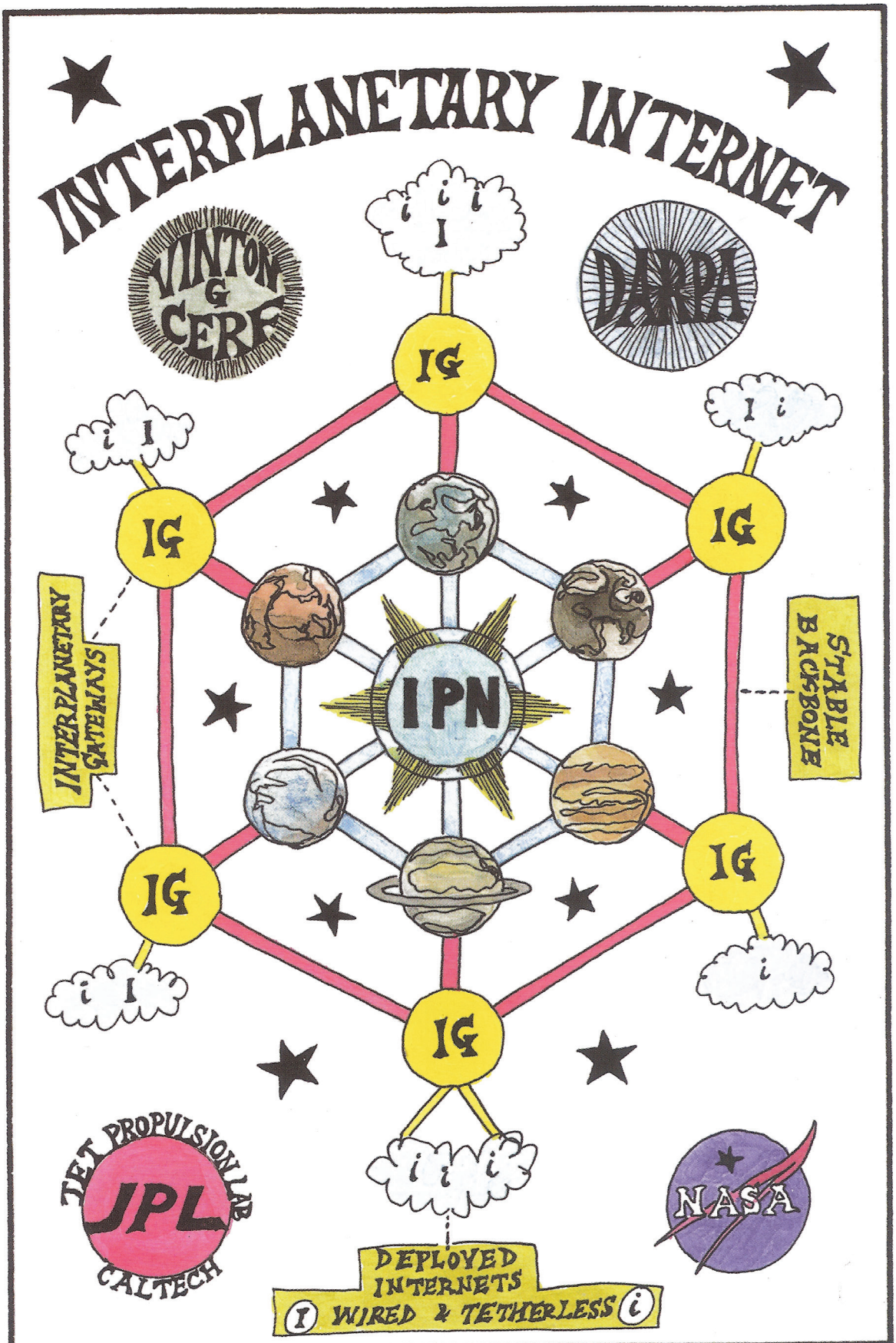


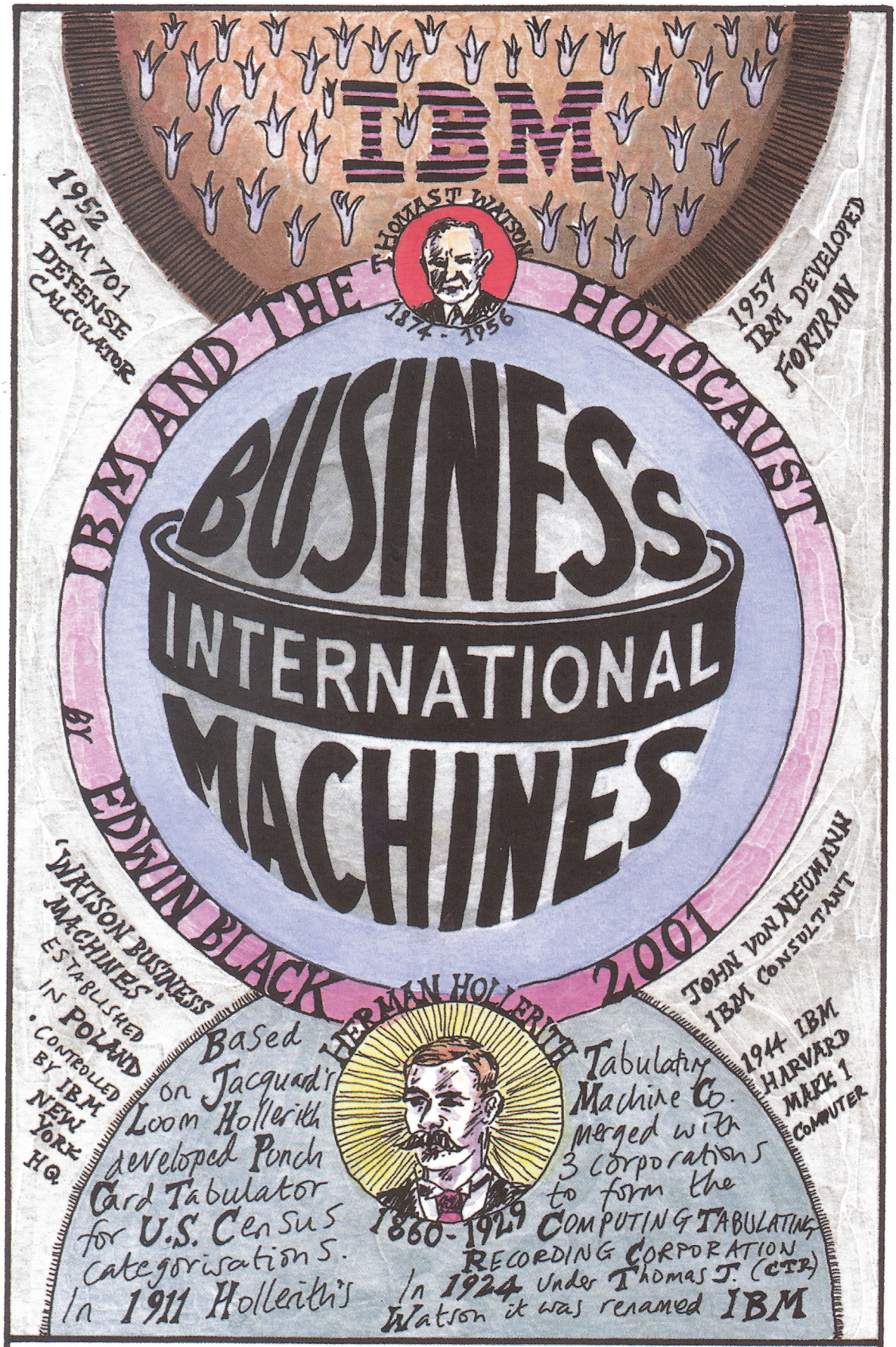
NINE OF SWORDS



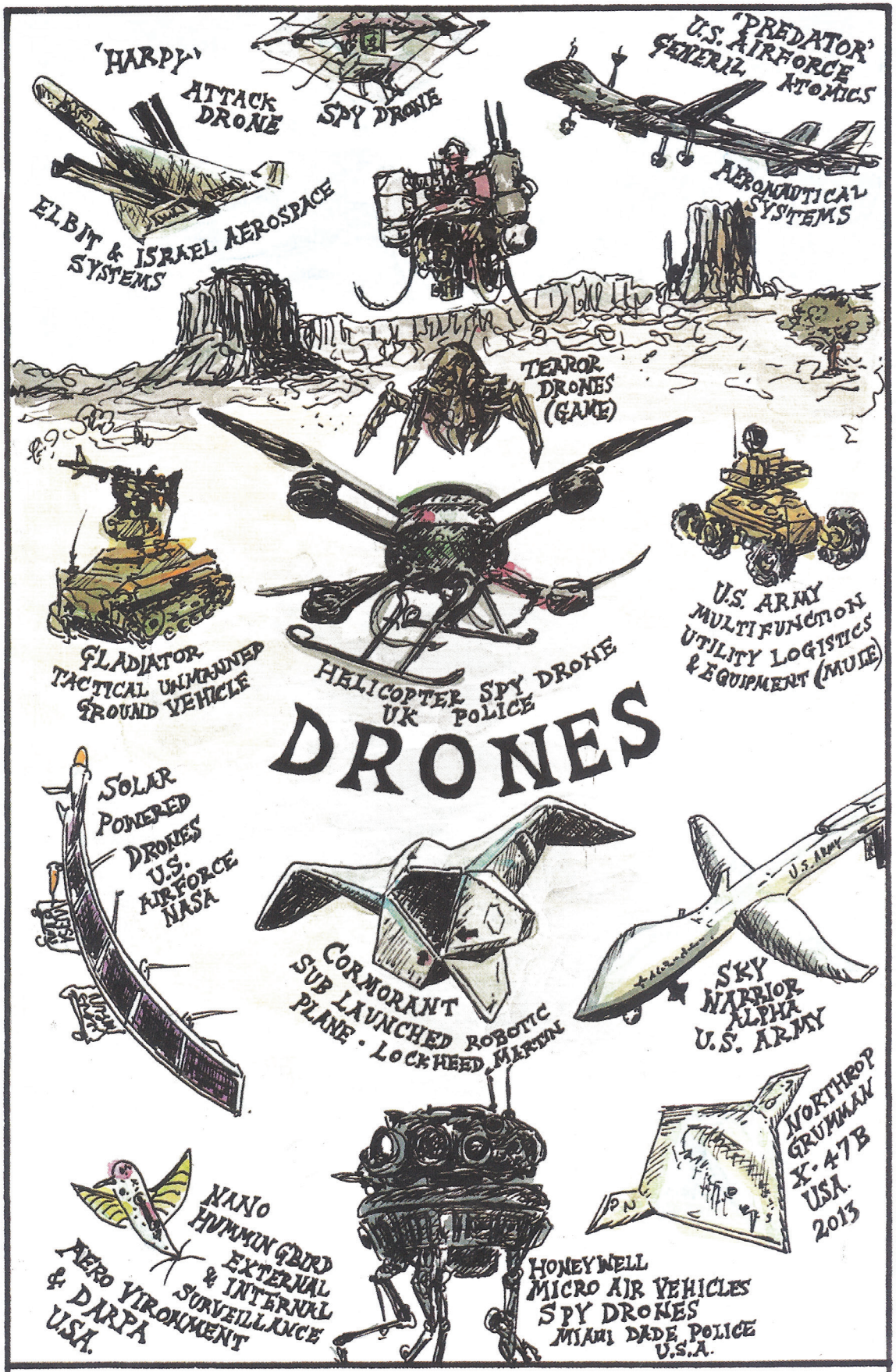
TEN OF SWORDS



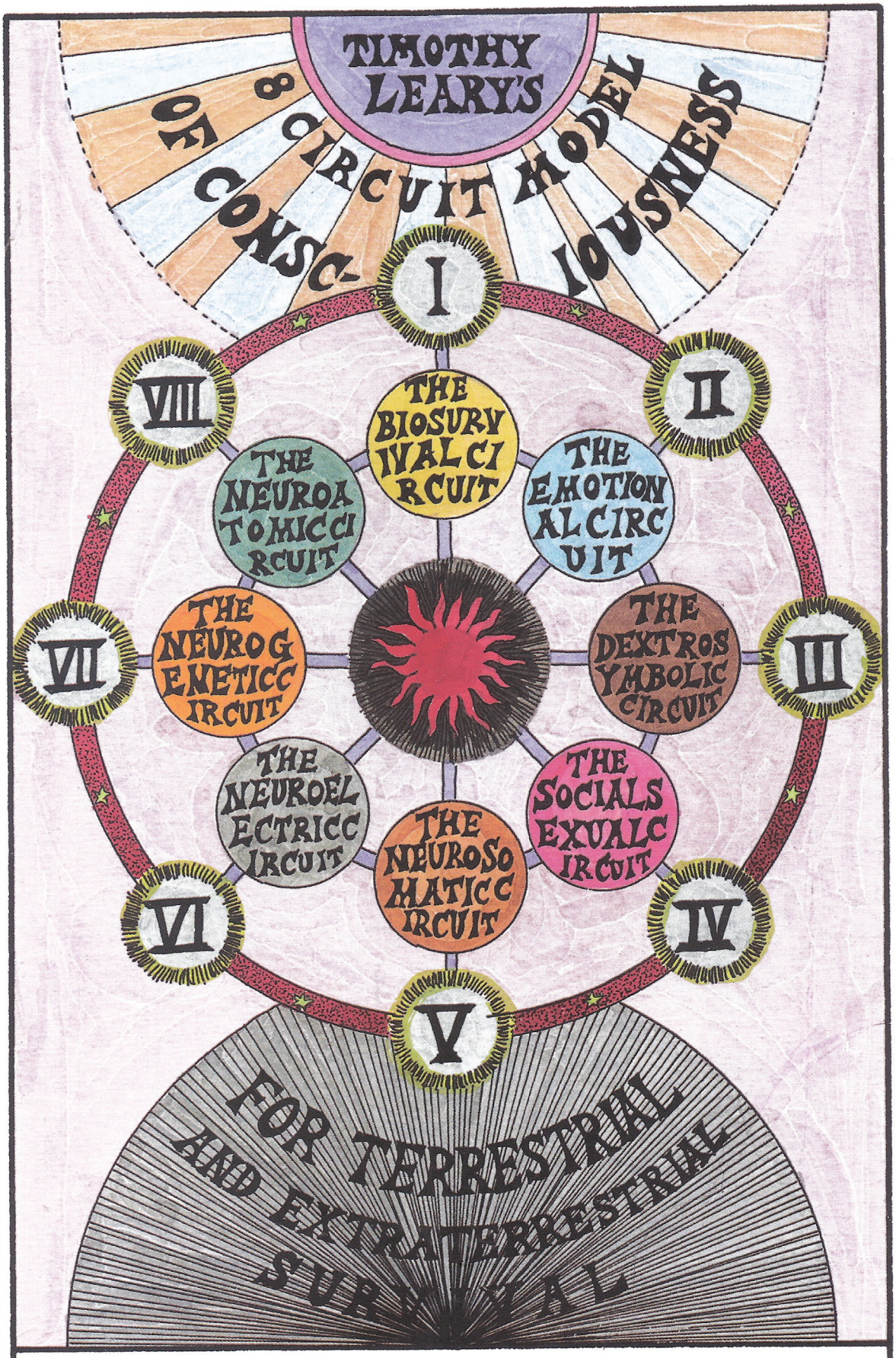
KNAVE OF SWORDS



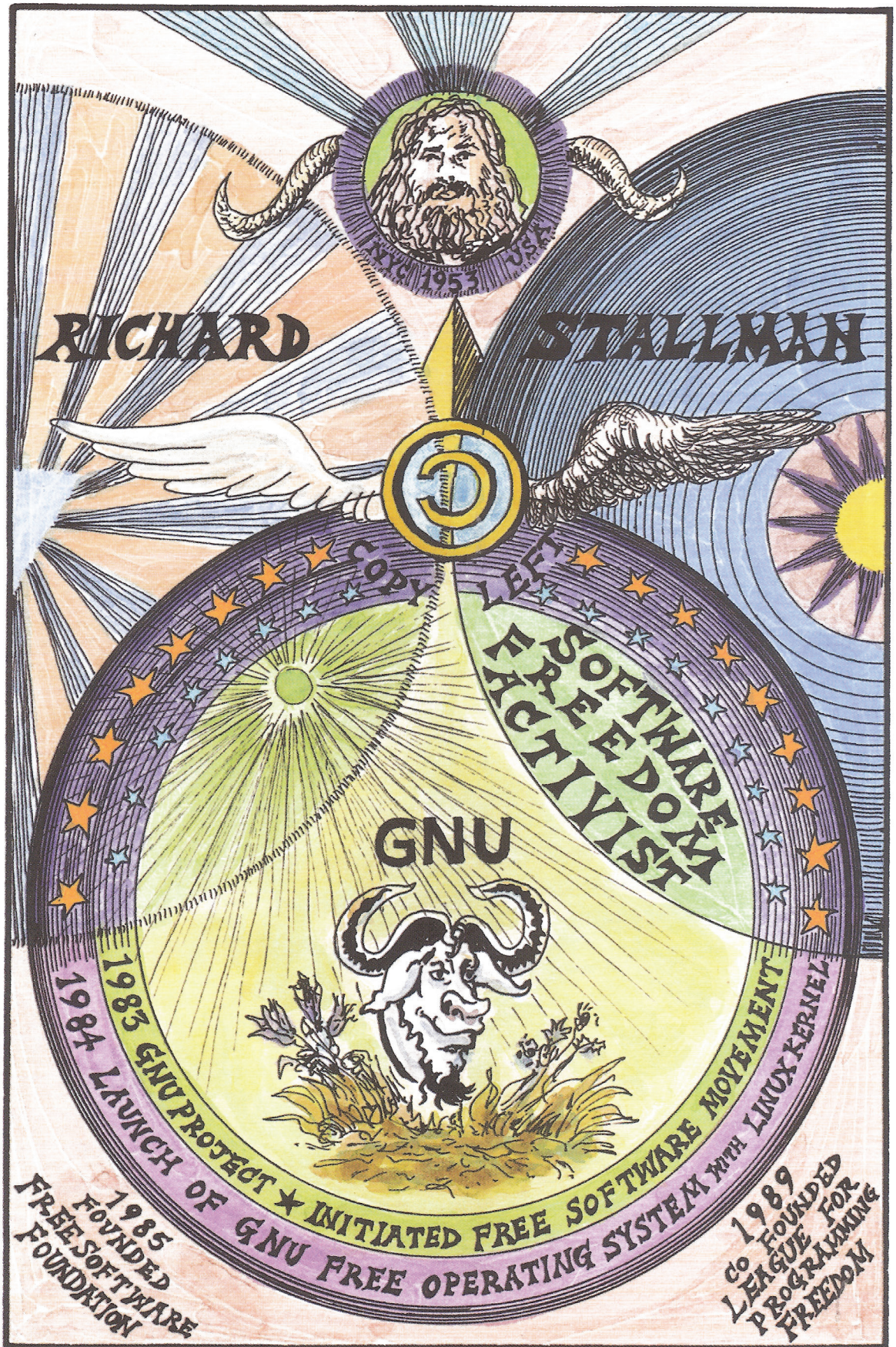
KNIGHT OF SWORDS



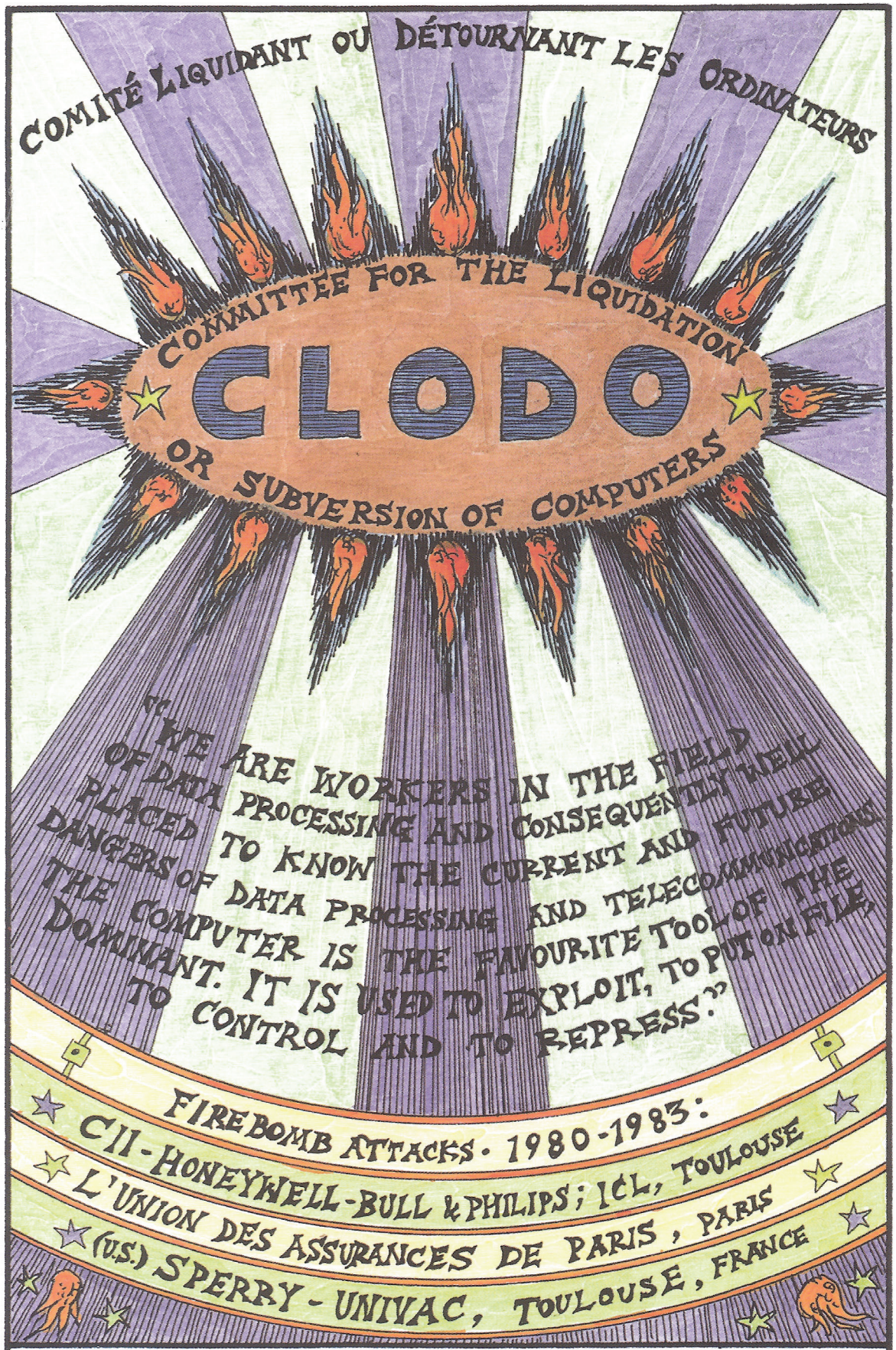
QUEEN OF SWORDS



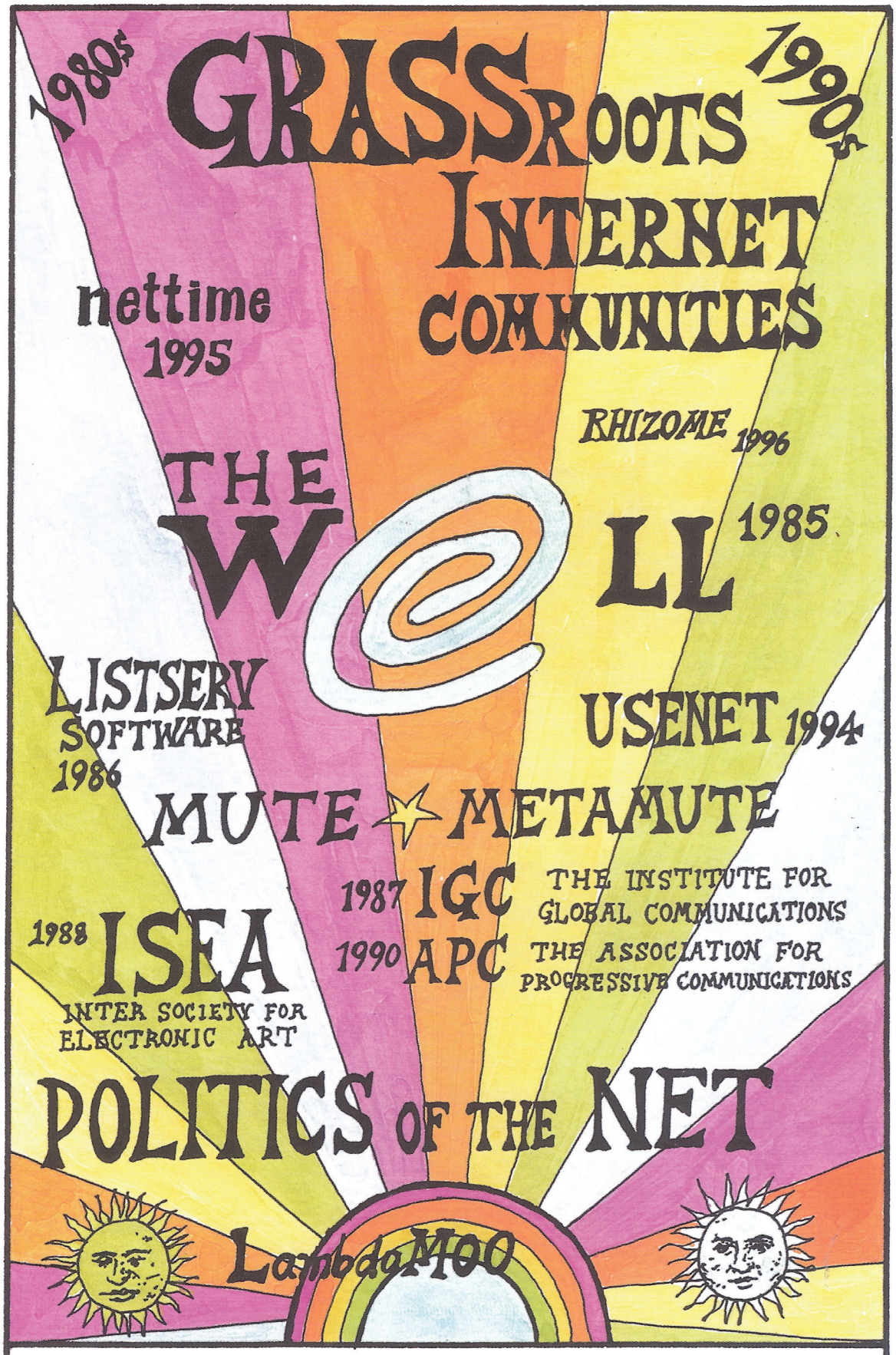
KING OF SWORDS


NYC 1953 USA
RICHARD STALLMAN
COPY LEFT
SOFTWARE FREEDOM ACTIVIST
GNU
1983 GNU PROJECT ★ INITIATED FREE SOFTWARE MOVEMENT
1984 LAUNCH OF GNU FREE OPERATING SYSTEM WITH LINUX KERNEL
1985 FOUNDED FREE SOFTWARE FOUNDATION
1989 CO FOUNDED LEAGUE FOR PROGRAMMING FREEDOM

ACE OF WANDS

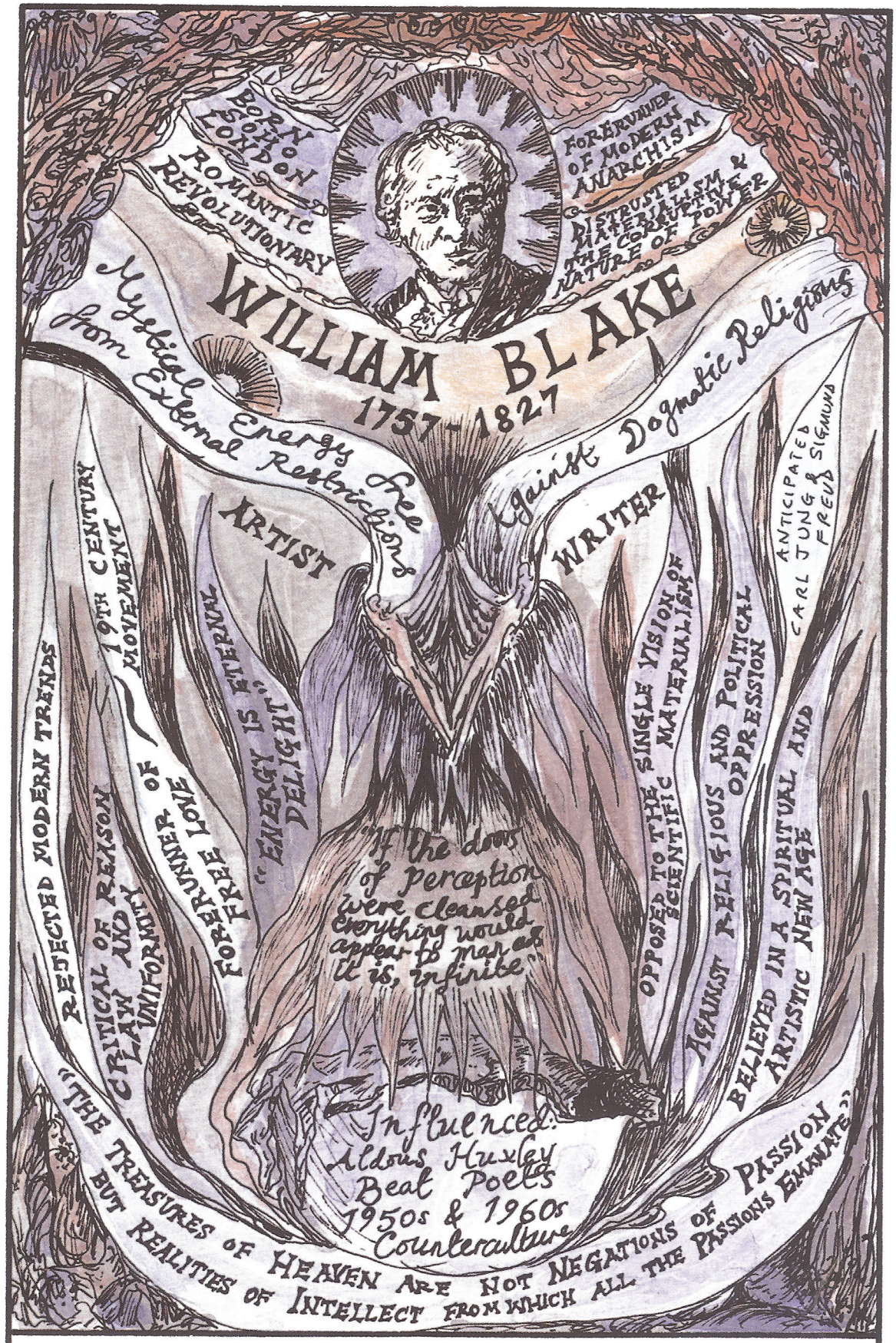

COMITÉ LIQUIDANT OU DÉTOURNANT LES ORDINATEURS
COMMITTEE FOR THE LIQUIDATION
CLODO
OR SUBVERSION OF COMPUTERS
"WE ARE WORKERS IN THE FIELD OF DATA PROCESSING AND CONSEQUENTLY WELL PLACED TO KNOW THE CURRENT AND FUTURE DANGERS OF DATA PROCESSING AND TELECOMMUNICATIONS. THE COMPUTER IS THE FAVOURITE TOOL OF THE DOMINANT. IT IS USED TO EXPLOIT, TO PUT ON FILE, TO CONTROL AND TO REPRESS."
FIREBOMB ATTACKS - 1980-1983:
CII-HONEYWELL-BULL & PHILIPS; ICL, TOULOUSE
L'UNION DES ASSURANCES DE PARIS, PARIS
(U.S.) SPERRY-UNIVAC, TOULOUSE, FRANCE

TWO OF WANDS

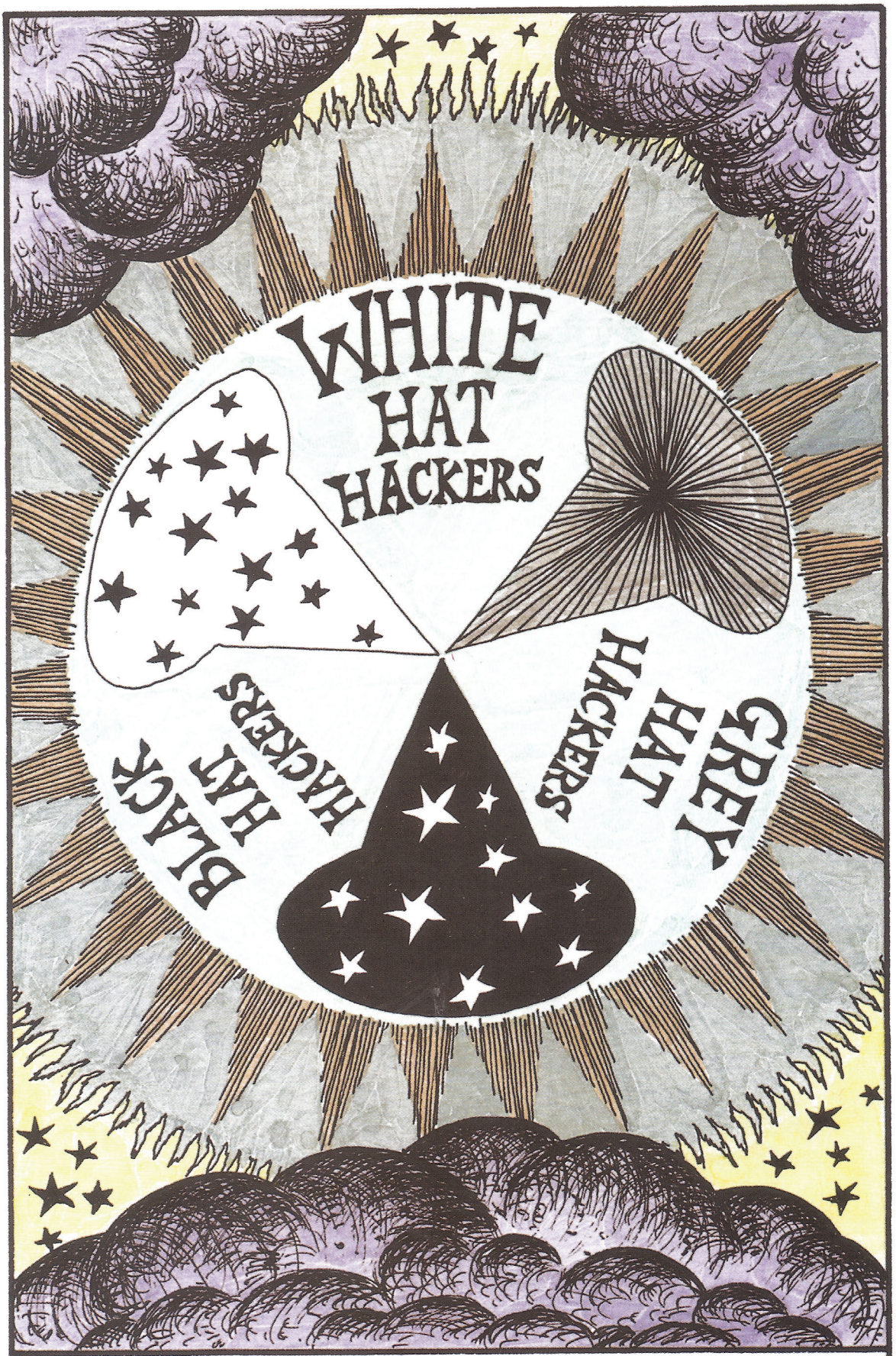


THREE OF WANDS

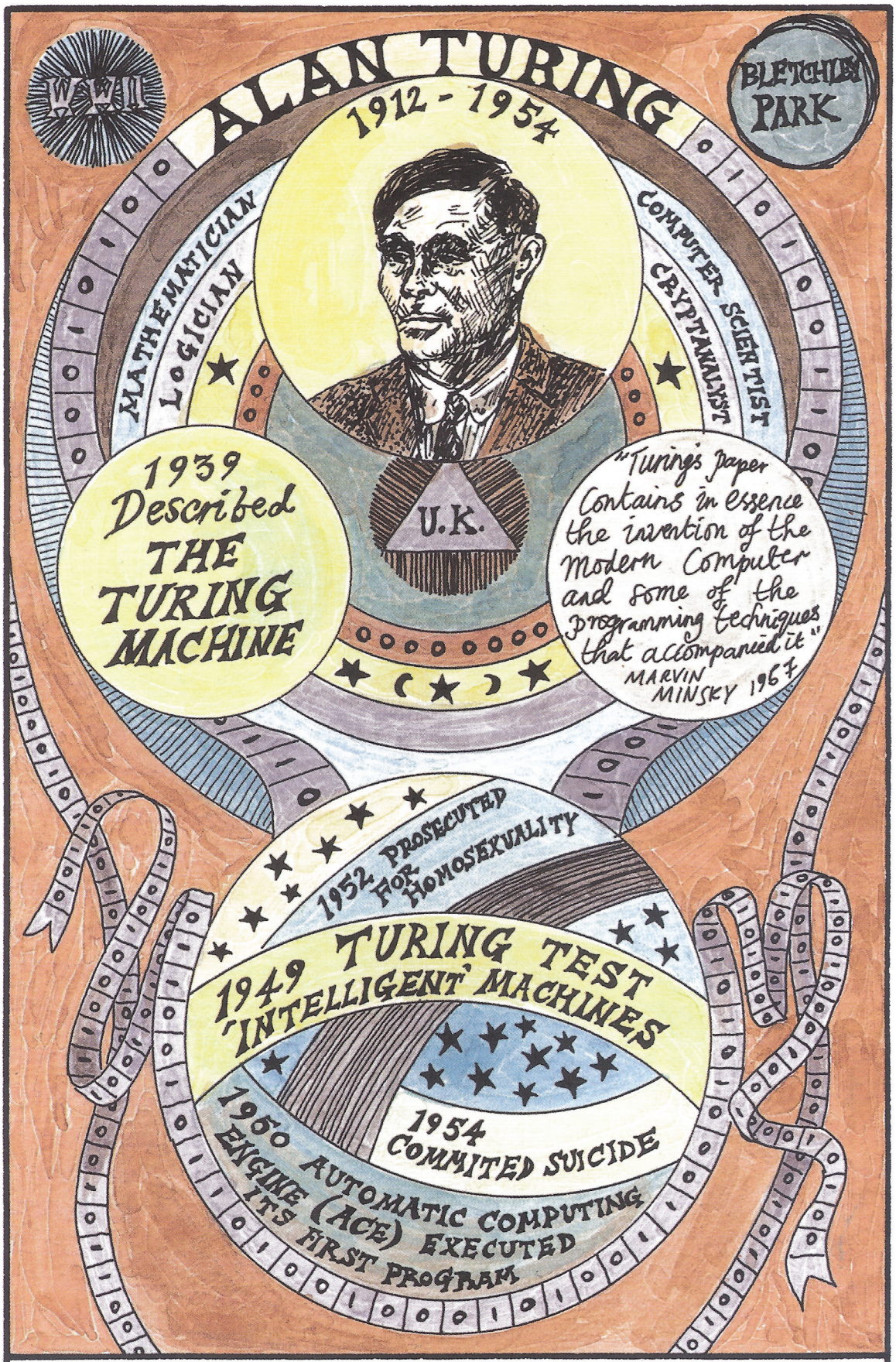
FOUR OF WANDS



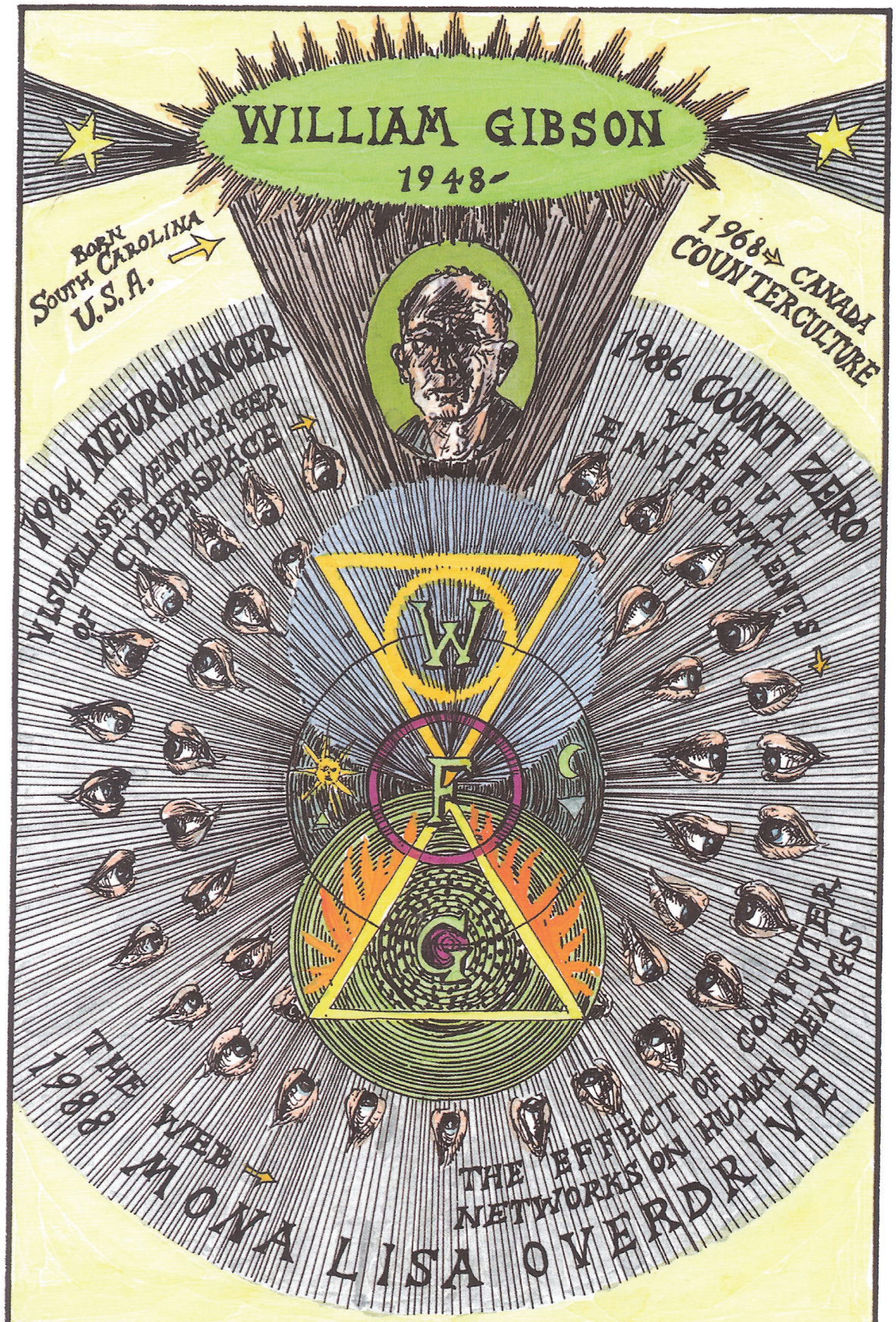
FIVE OF WANDS



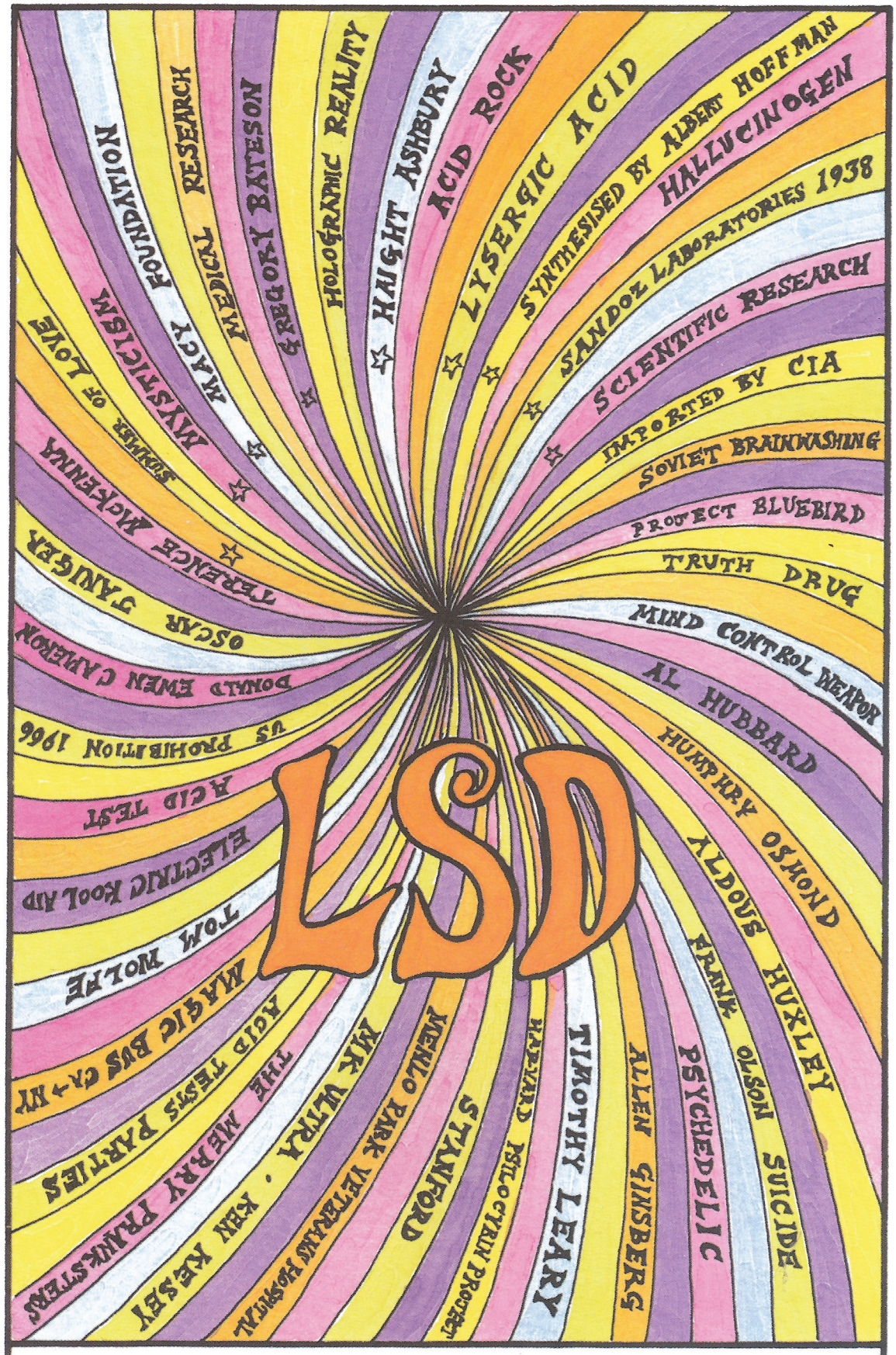
SIX OF WANDS



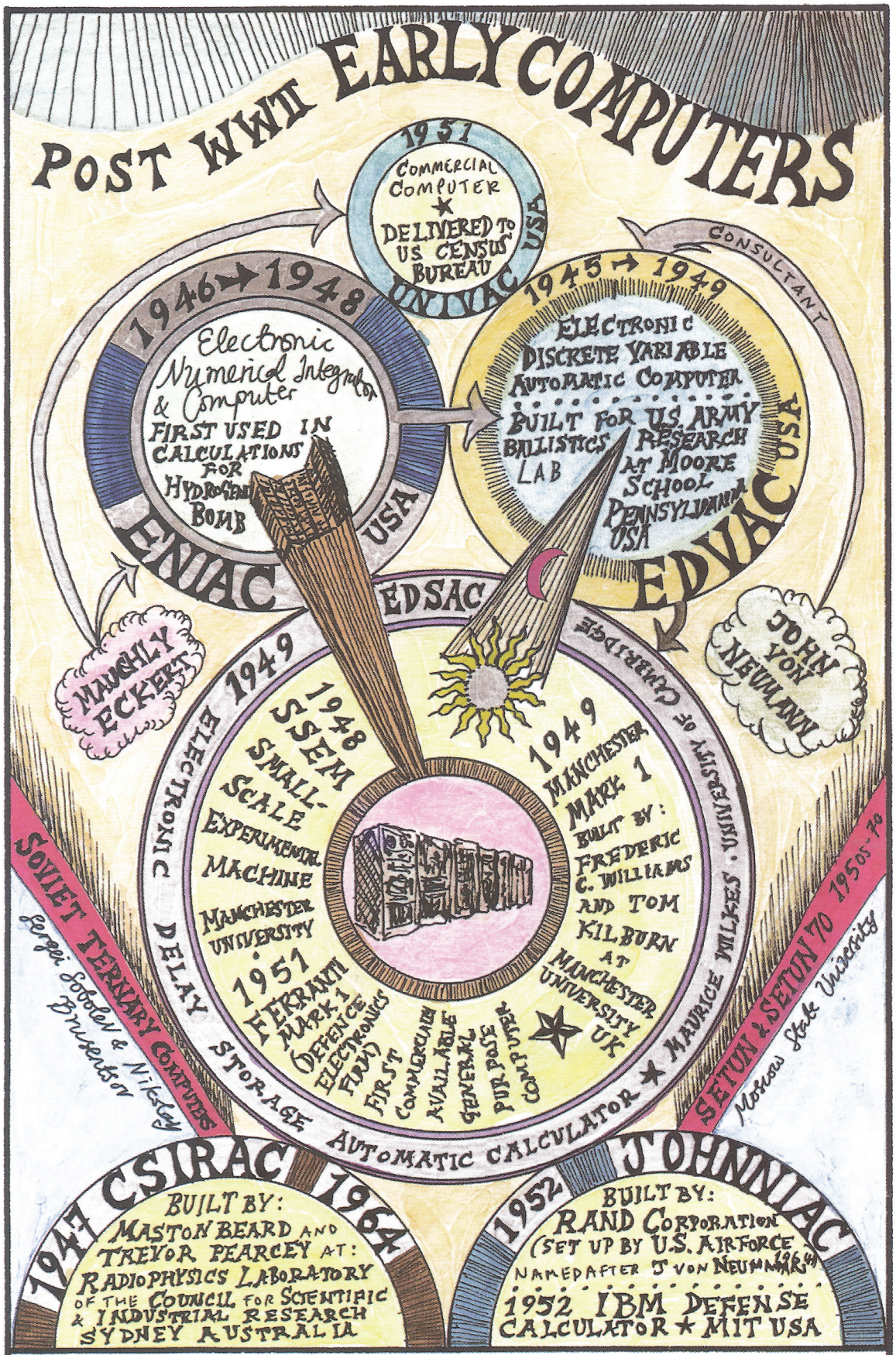
SEVEN OF WANDS



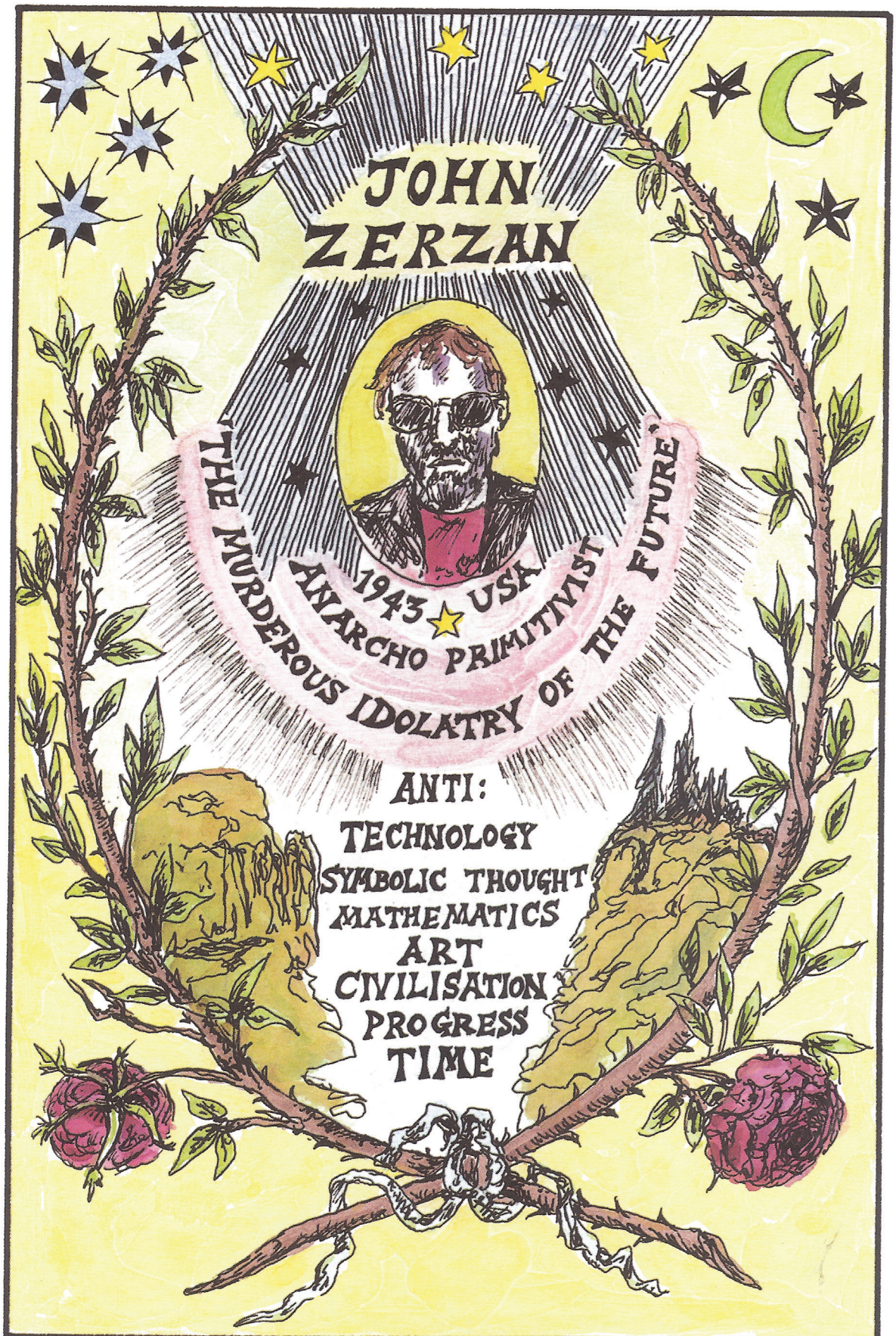
EIGHT OF WANDS



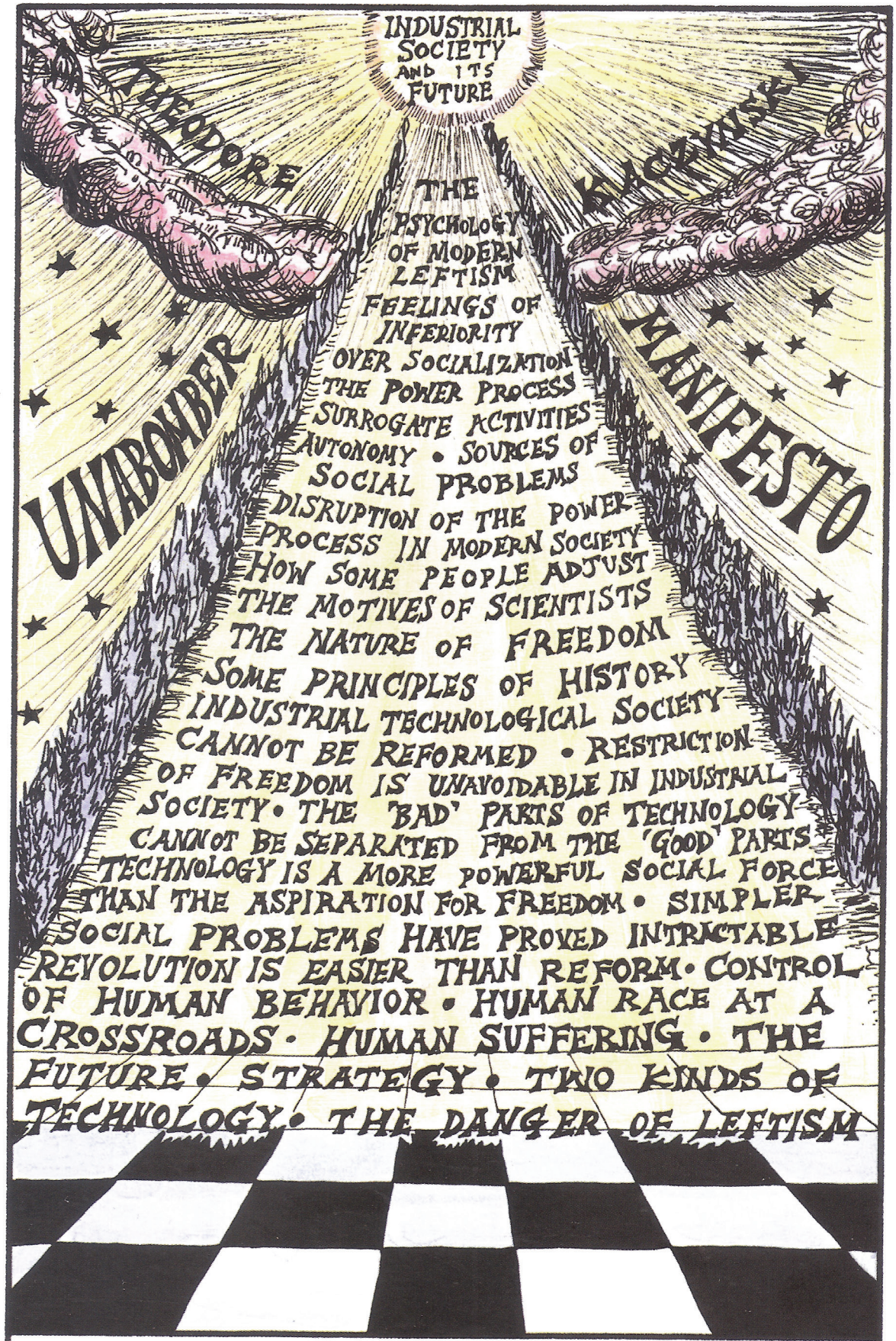
NINE OF WANDS


POST WWII EARLY COMPUTERS
1951
COMMERCIAL COMPUTER
DELIVERED TO US CENSUS BUREAU
UNIVAC USA
1946 → 1948
Electronic Numerical Integrator & Computer
FIRST USED IN CALCULATIONS FOR HYDROGEN BOMB
ENIAC USA
1945 → 1949
ELECTRONIC DISCRETE VARIABLE AUTOMATIC COMPUTER
BUILT FOR US ARMY BALLISTICS RESEARCH LAB AT MOORE SCHOOL PENNSYLVANIA USA
EDVAC USA
CONSULTANT
JOHN VON NEUMANN
MAUCHLY ECKERT
EDSAC
UNIVERSITY OF CAMBRIDGE
ELECTRONIC DELAY STORAGE AUTOMATIC CALCULATOR
1949
1948 SSEM SMALL-SCALE EXPERIMENTAL MACHINE MANCHESTER UNIVERSITY
1951 FERRANTI MARK 1 DEFENCE ELECTRONICS FIRM FIRST COMMERCIALLY AVAILABLE GENERAL PURPOSE COMPUTER
1949 MANCHESTER MARK 1 BUILT BY: FREDERIC C. WILLIAMS AND TOM KILBURN AT MANCHESTER UNIVERSITY UK
MAURICE WILKES
SOVIET TERNARY COMPUTERS
Sergei Sobolev & Nikolay Brusentsov
SETUN & SETUN '70 1950s-70
Moscow State University
1947 CSIRAC 1964
BUILT BY: MASTON BEARD AND TREVOR PEARCEY AT: RADIOPHYSICS LABORATORY OF THE COUNCIL FOR SCIENTIFIC & INDUSTRIAL RESEARCH SYDNEY AUSTRALIA
1952 JOHNNIAC 1966
BUILT BY: RAND CORPORATION (SET UP BY U.S. AIRFORCE) NAMED AFTER J VON NEUMANN
1952 IBM DEFENSE CALCULATOR ★ MIT USA

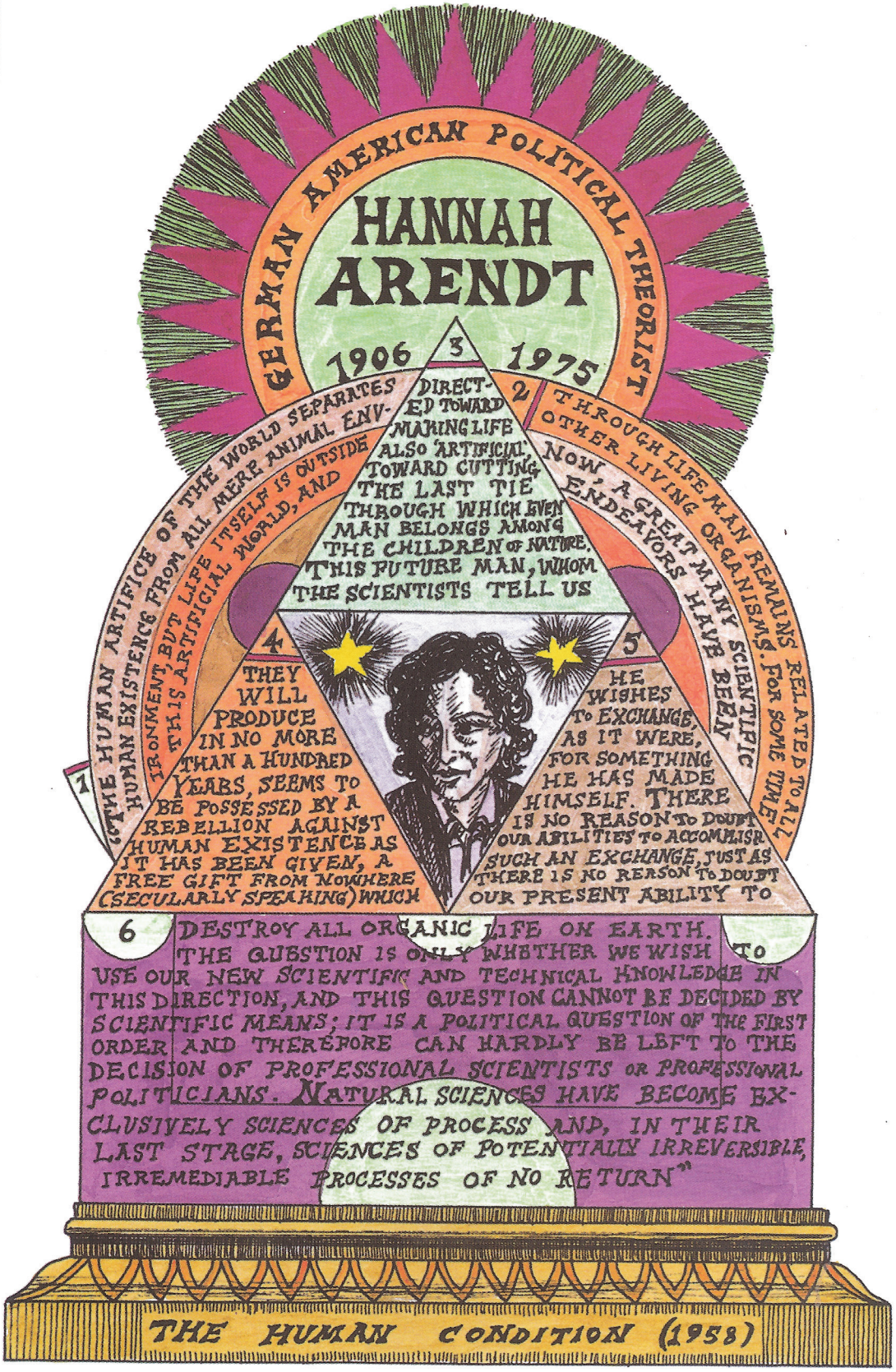
TEN OF WANDS



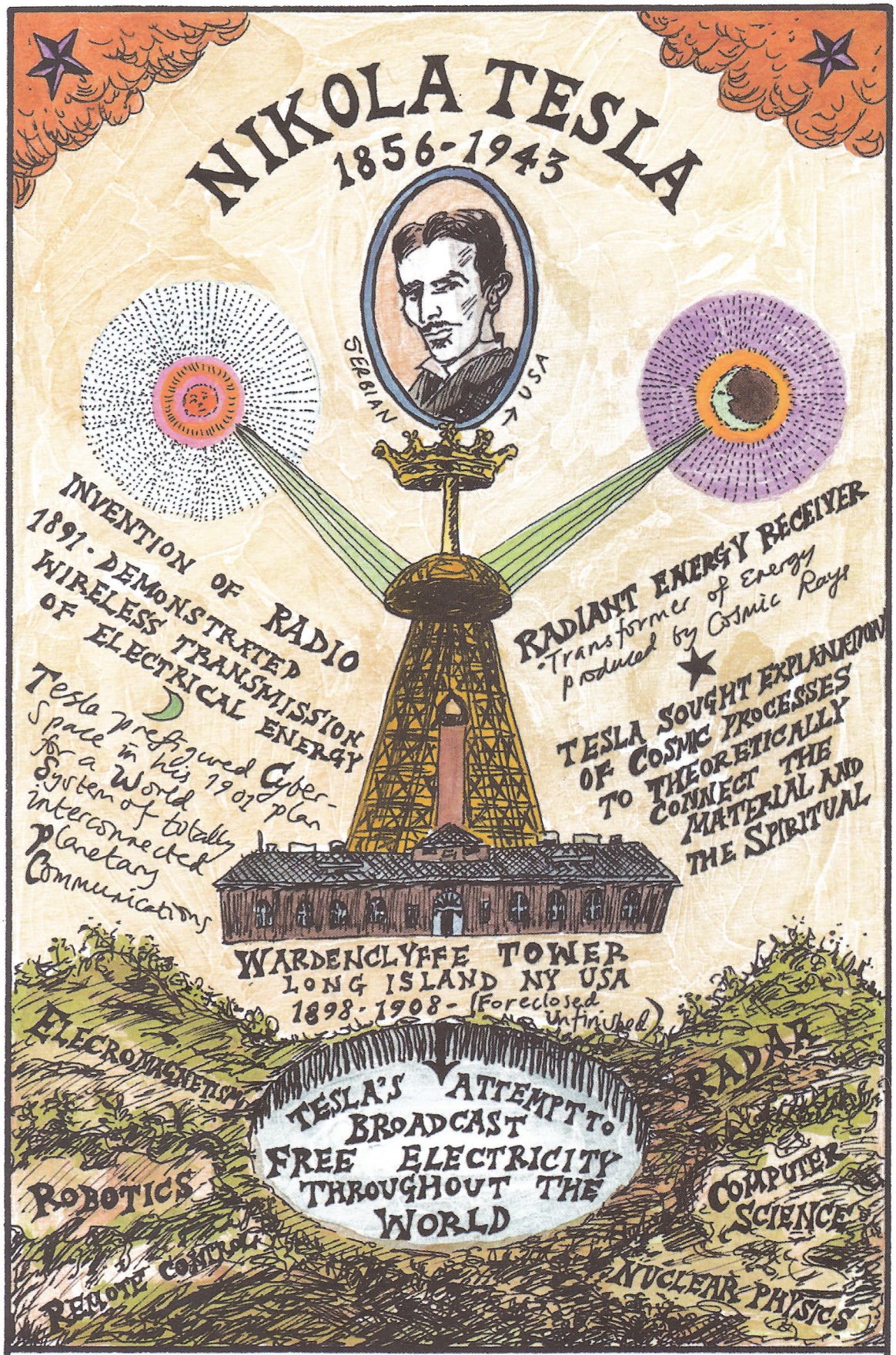
KNAVE OF WANDS



KNIGHT OF WANDS



QUEEN OF WANDS



KING OF WANDS